

62d Volume.]

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AGRICULTURAL ALMANAC



MORNING
YEAR

1887.

CLARKSON, PHILS.

LANCASTER, PA.

Printed and sold by JOHN BAER'S SONS, 16 North Queen St.

Eclipses for the year 1887.

There will be four Eclipses this year, two of the Sun and two of the Moon, viz:

The first is a partial eclipse of the Moon, on the 8th of Feb. at 5 o'clock 3 min. in the morning; visible here, on the Pacific Ocean and in Asia.

The second is an annular eclipse of the Sun, on the 22d of February, at 2 o'clock 58 min. in the afternoon; invisible here, but visible on the southern Pacific Ocean, in western South America and in Central America.

The third is a partial eclipse of the Moon, on the 3d of August, at 3 o'clock 48 min. in the afternoon, therefore invisible here, but visible in western Asia.

The fourth is a total eclipse of the Sun, on the 18th of August, at 11 o'clock 11 min. at night; invisible here, but visible in northern Asia, Norway, Alaska, on the northern Pacific Ocean; at Berlin and Koenigsberg in Europe; and Jeddah in Japan.

Moon (D) is the reigning Planet this year.

CARDINAL POINTS.

Vernal Equinox, entrance of the Sun into Aries, March 20th, 5 o'clock 8 m. in the afternoon.

Summer Solstice, entrance of the Sun into Cancer, June 21st, 1 o'clock 8 m. in the afternoon.

Autumnal Equinox, entrance of the Sun into Libra, Sept. 23d, 4 o'clock 9 m. in the morning.

Winter Solstice, entrance of the Sun into Capricorn, Dec. 21st, 10 o'clock 11 m. in the evening.

Centennial Almanac for the year 1887.

The following is an extract from the "Centennial Almanac" for the year 1887.

The MOON is this year the reigning planet.

As regards the influence of the Moon, the ancients believed to have observed, that when this planet is in a particular position towards the Sun and the Earth and other planets, its action will be perceptible in the state of the weather, in the fruitfulness of the earth and the particular constitution of men and animals.

Year in general—Is generally more humid than cold and dry.

Spring—Is very humid and besides warm, with occasional frost. The whole of March is cold and April rainy, May is in the beginning pleasant, but has also rain, upon which great cold follows. June is very delightful and has rain occasionally.

Summer—Is sometimes warm, but more frequently cool. *Autumn and Winter*—Are in the beginning humid, moderately cold, afterwards very cold and humid. December brings snow early, upon which heavy rain follows. After the 20th it is pretty cold, but cloudy, until about the 12th of January; afterwards somewhat mild, but soon cold again, until the 25th, when a great deal of rain and snow will again take place. March is in the beginning rough and cold; afterwards warm. In this winter the sheep and bees are apt to die.

Cultivation of Summer Grain.—If this year has a hot summer, the sowing of the summer grains must not be delayed, but not unduly hurried neither, as the heat will commence late. Barley and oats will succeed at least tolerably well, as also lentils, peas and millet, the latter in

favorable ground frequently succeeds very well. Do not sow too late, nor too early. There will be an abundance of hay, but very little after-math.

Cultivation of Winter Grain.—The winter grain, and particularly rye, if it has been sown timely in the fall and is remarkably strong, should be grazed off by the sheep, otherwise it will become too rank and yield more straw than grain. If the wheat seeding grows finely and strongly in May, it will yield poorly, for it will become too rank, not however on poor land.

Autumn Seeding.—The grain should be sown as early as possible; it will notwithstanding yield but little, for during the cold weather it will grow very little, and the winter will come very early. No sheep are therefore to be left go on the grain, otherwise there will be but little or nothing left. All seed should be sown as deeply as possible, otherwise it will be washed out by the frequent rains.

Fruit.—In some places the yield will be abundant, in other places but small. Acorns will be but small.

Hops.—Will succeed moderately well. They generally suffer in the spring from mildew and sleet.

Grape Culture.—This year there will be but little wine. The grapes should be gathered early in the autumn, as no good weather is to be expected. The vineyards ought to be covered early.

Tempests and Thundergusts.—In the winter there will be high winds and unusual rains; in the spring and summer there will not be very many thundergusts, and those that do occur, will not cause much injury.

Diseases.—In the autumn inflammatory fevers and other dangerous diseases will prevail.

AGRICULTURAL ALMANAC, FOR THE YEAR OF OUR LORD **1887;**

*Being the third after Leap Year, and until the 4th
of July, the 111th of American Independence.*

Arranged after the System of the German Calendars.

CONTAINING

The rising, setting, and eclipses of the Sun and Moon; the phases and places of the Moon
the aspects of the planets, the rising, setting and southing of the most conspicuous
planets and fixed stars, the equation of time, and the time of high water
at Philadelphia; with a variety of useful and entertaining
matter, list of courts, &c.

Carefully calculated for the Meridian of Pennsylvania and the adjoining States.



LANCASTER:

Printed and sold by JOHN BAER'S SONS, No. 15 North Queen street, east side,
where German Almanacs may also be had.

Moveable Feasts and Chronological Cycles.

MOVEABLE FEASTS.

- Septuagesima Sunday, February 6.
- Quinquagesima, or Shrove Sunday, Feb. 20.
- Shrove Tuesday, February 22.
- Ash Wednesday, or first day of Lent, Feb. 23.
- Palm Sunday, April 3.
- Easter Sunday, April 10.
- Low Sunday, April 17.
- Rogation Sunday, May 15.
- Ascension Day, May 19.
- Whit Sunday, May 29.
- Trinity Sunday, June 5.
- Corpus Christi, June 9.
- First Sunday in Advent, November 27.
- Sundays after Trinity are 24 this year.

QUATEMBER OR EMBER DAYS.

- 1st. On the 2d of March.
- 2d. On the 1st of June.
- 3d. On the 21st of September.
- 4th. On the 14th of December.

CHRONOLOGICAL CYCLES.

Dominical Letter	B.
Lunar Cycle, or Golden Number	7
Epacts	6
Solar Cycle	20
Roman Indiction	15
Julian Period	6600

The chronology of the Jews for the year 5648 commences on the 19th of September 1887.

The chronology of the Mahomedans for the year 1305 commences on the 19th of September 1887.

Characters of the Constellations.

 Aries, the Ram.	 Leo, the Lion.	 Sagittarius, the Bowman.
 Taurus, the Bull.	 Virgo, the Virgin.	 Capricornus, the Goat.
 Gemini, the Twins.	 Libra, the Balance.	 Aquarius, the Butler.
 Cancer, the Crab.	 Scorpio, the Scorpion.	 Pisces, the Fishes.

Astronomical Characters explained :

	New Moon.
	First quarter, or Moon in general.
	Full Moon.
	Last quarter, or Moon in general.

Planets and Aspects.

 Saturn,	 Venus,
 Jupiter,	 Mercury,
 Mars,	 Earth,  Moon,
 Sun,	 Hershel.

 Conjunction, or planets in the same longitude.
 Sextile, when they are 60 degrees apart.
 Quartile, when they are 90 degrees distant.
 Trine, when they are 120 degrees distant.
 Opposition, when they are 180 degrees distant.

NOTE TO THE READER.—The calculation of this Almanac is made to solar or apparent time, to which add the equation when the sun is slow, and subtract when fast, for the mean or clock time.—Calculated originally by WILL R. IBACH, successor to LAWRENCE J. IBACH.—All Almanacs without the Calculator's name are suspicious.

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AGRICULTURAL.

Progressive Agriculture.

Progressive agriculture, as some appear to understand it, means going ahead, without regard to safety or expense. The young progressive farmer who never hoed an acre of corn or mowed an acre of grass, fancies that by applying "business principles" to agriculture, he can roll up a fortune in a few years. He must have a farm as large as his father had in his old age; must live in a better house than his parents; he must drive a better horse; ride in a better carriage; sport a finer watch; live in a more fashionable style; play the gentleman at more expense; cut larger swells; speak louder, and be known further than his old foggy ancestors ever dared to dream of.

The young progressive farmer has no idea of getting rich by the little; he is bound to have a pile all at once. He is not going to bring up lambs by hand, sell turnips at twenty-five cents a bushel, carry chickens to market, wear patched clothes, and cart potatoes round like a pedlar. Not he. Talk to him about cultivating a farm of fifty acres! Why, he wants four or five hundred acres, and he will demonstrate by figures that the more land he cultivates the larger his percentage of profits will be.

Talk to one of those progressive farmers about experience, and he will laugh at you. Why, he is sure that he knows a thousand things that would astonish his father. Experience! To be sure he has not had it himself, but he knows who has, and what it is. He wants to start, not at the bottom of the hill, but at the top. He don't believe in climbing up slowly, working and waiting, and though willing to work, he is not anxious to wait.

Now that is the point. We believe young men ought to be set right on. Instead of beginning with much, they ought to begin with little. Instead of a large farm, they ought to have only a small one. Their experience is small, their judgment is weak, and their wants ought to be few. And beginning with a few acres, they will soon learn how to proceed to insure the best results.

Salt on Grain Fields.

A wheat-raiser in Minnesota gives his experience in the use of salt on grainfields in the *Country Gentleman* as follows: "I have sowed salt for several years with good results. Last year I sowed thirty tons on six hundred acres of wheat, which is an average of one hundred pounds per acre. The land on which this was sown was deep, sandy loam, and the wheat was spring wheat, sown the first week of April. I sowed the salt about the 1st of June, when the wheat was from six to eight inches high. Among the marked results was a strong and vigorous growth of the plant, causing wheat to head a week earlier. The straw stands up straight and stiff and does not crinkle down, thereby enabling us to cut the last one hundred acres as clean as the first. The wheat gives a plump, heavy berry, and yields from three to five bushels more per acre than if sowed without salt, and is uniformly of a better grade, last year testing sixty-three pounds per bushel. When I first began to sow salt, I left strips across the field to test the difference. These strips were very noticeable all summer, as the wheat did not grow nearly as tall and thick as where the salt was sowed, and even after the wheat was cut I could see a difference in the stubble, the strips being crinkled and of not so bright a color. These fields, when sowed to clover, yielded tremendous crops, which show the benefit of salt on grass lands. I have never tried it on oats, but would not raise a crop of wheat without salt. I purchase my salt in Milwaukee or Chicago. It is shipped in bulk, and usually costs from \$7 to \$8 per ton, delivered. The mode of sowing salt is very simple. A box that will hold three bushels is placed across the hind end of a wagon. The person who sows it is seated with his back to the driver, and sows it with both hands over the back end of the wagon as it passes over the field, covering a strip thirty feet wide."

In France salt is extensively used on fields sown to grain. It is believed that it improves the quality of the straw and grain.

JANUARY, 1st Month.

Weeks and Days.	Remarkable Days.	H. w. h.	con R. & S. h.	Moon Place. h. m.	Moon south.	Miscellaneous Particulars.	SUN slo. m. h.	SUN rises. m. h.	SUN sets. h. m.	O. style
Saturday	1 New Year	6 11 45	λ	2 5 29	♀ rises	12 34 28	○	4 7 23	4 37 20	
1]	Sunday after New Year			Matth. 2.		Days' length	9 hours	14 min.		
Sunday	2 Abel, Seth	7 morn.	λ	15	6 11	2 ○ Per. br. 6 35	4 7	23 4	37 21	
Monday	3 Enoch	8 12 44	λ	29	6 55	♀ sets 5 16	5 7	23 4	37 22	
Tuesday	4 Methusalem	9 1 38	λ	13	7 40	Sirius south 11 40	5 7	22 4	38 23	
Wednesday	5 Simon	9 2 29	λ	26	8 28	Neptune ♂ ○	6 7	22 4	38 24	
Thursday	6 Epiphany	10 3 28	λ	13	9 19	♀ in 28° 7° south 8 26	6 7	21 4	39 25	
Friday	7 Isidor	11 4 27	λ	27	10 13	♀ rises 12 22	7 7	20 4	40 26	
Saturday	8 Erhard	12 5 26	λ	13	11 10	♀ in Aphelion	7 7	20 4	40 27	
2]	1st Sunday after Epiphany.			Luke 2.		Days' length	9 hours	22 min.		
Sunday	9 Julian	1 rises	λ	26	morn.	9. ♀ ○ ♀ ○	7 7	19 4	41 28	
Monday	10 Paul, Herm.	2 6 6	λ	12	12	♀ sets 5 33	8 7	19 4	41 29	
Tuesday	11 Hyginius	3 7 18	λ	25	1 6	Orion south 10 16	8 7	18 4	42 30	
Wednesday	12 Rinehold	3 8 29	λ	9	2 3	○ in Perih. ♂ se. 6 12	9 7	18 4	42 31	
Thursday	13 Hilary	4 9 38	λ	22	3 1	Arctur. rises 11 4	9 7	17 4	43 J.	
Friday	14 Felix	5 10 45	λ	5	3 57	♀ rises 11 59	9 7	17 4	43	2
Saturday	15 Maurice	6 11 49	λ	17	4 49	Sirius south 10 50	10 7	16 4	44	3
3]	2d Sunday after Epiphany.			John 2.		Days' length	9 hours	30 min.		
Sunday	16 Marcellus	6 morn.	λ	28	5 51	16. ♀ ○ ♂ Per.	10 7	15 4	45	4
Monday	17 Anthony Franklin born	7 12 50	λ	11	6 31	7° south 7 42	11 7	14 4	46	5
Tuesday	18 Prisca	8 1 50	λ	23	7 22	♀ sets 5 52	11 7	13 4	47	6
Wednesday	19 Sarah	9 2 47	λ	5	8 14	Regulus rises 8 17	11 7	12 4	48	7
Thursday	20 F. Sebastian	10 3 44	λ	17	9 6	taur. so. 11 18 ○ ent.	11 7	11 4	49	8
Friday	21 Agnes	11 4 34	λ	29	9 57	Spica rises 11 50	12 7	11 4	49	9
Saturday	22 Vincent	12 5 22	λ	11	10 49	♀ ○ ♂ sets 6 4	12 7	10 4	50	10
4]	3d Sunday after Epiphany.			Matth. 8.		Days' length	9 hours	42 min.		
Sunday	23 Emerentia	1 sets	λ	23	11 39	23. ♀ ris. 11 20	12 7	9 4	51	11
Monday	24 Timothy	2 5 59	λ	6	12 28	♀ ○ ○ ♀ ○	12 7	8 4	52	12
Tuesday	25 Paul's Conv.	3 6 49	λ	19	1 15	♂ ○ Rigel so. 8 38	13 7	7 4	53	13
Wednesday	26 Polycarpus	3 7 40	λ	2	2 0	♀ sets 6 10	13 7	6 4	54	14
Thursday	27 F. Chrysost.	4 8 39	λ	15	2 43	Orion south 9 8	13 7	5 4	55	15
Friday	28 Charles	5 9 38	λ	28	3 25	Dapo. ♀ Sirius so. 10 13 7	13 7	4 4	56	16
Saturday	29 Valerius	5 10 36	λ	12	4 7	Arctur. rises 10 10 14 7	13 7	3 4	57	17
5]	4th Sunday after Epiphany.			Matth 8.		Days' length	9 hours	56 min.		
Sunday	30 Adelgunda	6 11 35	λ	26	4 50	♀ rises 10 54	14 7	24 5	58	18
Monday	31 Virgil	7 morn.	λ	10	5 33	♀ gr. Hel. lat. south	14 7	14 5	9	19

SATURN is on the 9th in Opposition with the Sun and shines the whole night.

January has 31 Days.

MOON'S PHASES, &c.

First quarter the 2d, at 7 o'clock 20 min. in the morning; clear and cold.

Full moon the 9th, at 5 o'clock 32 min. in the evening; clear and cold.

Last quarter the 16th, at 10 o'clock 22 min. in the forenoon; rain or snow.

New moon the 23d, at 10 o'clock 1 min. in the evening; cold and stormy.

Probable State of the Weather.

1st, 2d cold; 3d, 4th, 5th changeable; 6th, 7th, 8th rain; 9th, 10th, 11th pleasant; 12th, 13th, 14th cloudy; 15th, 16th, 17th cold, windy; 18th, 19th, 20th pleasant; 21st, 22d, 23d snow; 24th, 25th cloudy; 26th, 27th, 28th cold; 29th, 30th, 31st changeable.

Court of Quarter Sessions and Common Pleas.

Lawrence	3	Lebanon	10	Cameron	17
York	3	Huntingdon	10	Dauphin	24
Perry	3	Berks	10	Blair	24
Washington	3	Susquehanna	10	Centre	24
Luzerne	3	Fulton	10	Clarion	24
Lehigh	3	Mifflin	10	Somerset	24
Lycoming	3	Clearfield	10	Elk	24
Mercer	3	Wyoming	10	Adams	24
Schuylkill	3	Carbon	10	Venango	24
Allegheny	3	Cumberland	10	Chester	31
Greene	3	Lancaster	17	Tioga	31

About Plants and Flowers.

In choosing bulbs, look to weight rather than to size.

Keep hyacinths away from the fire, as they detest too much heat.

Most blooming plants cannot get too much sun at the windows.

Sudden and great changes in the temperature are ruinous to plants.

Room plants have one enemy not known to the green house, namely, dust.

In potting, the lumps should go to the bottom of the pots, the fine earth above it.

Soft-wooded plants should stand nearest to the light, and hard-wooded ones back, if all cannot have equal light.

Never paint the flower pots. They are both better and more becoming to the eye in the color of burnt clay.

Without good soil, no one can succeed in growing house plants well. Those who live in the country, find it an easy matter to have a good lot of this article on hand at all times.



Useful Hints for Horse Owners.

Horses are very delicate and liable to many ailments, and persons owning them, who are not very familiar with their nature and requirements, will find the following suggestions useful:

Every horse should be reshod at least once a month. After each day's work the animal's feet should be carefully examined, to ascertain that the shoes are in good order and gravel or stones removed. Twice each week the feet should be carefully looked at, broken nails replaced, loose shoes fastened and projecting clinches reduced. Once a week the feet should be stuffed with flaxseed meal or wet clay. Any unhealthy condition of the hoof ought to be immediately attended to. Horses require careful grooming and should be rubbed dry when used; not allowed to stand without rubbing when heated. Occasional sponging of the nostrils with a weak mixture of vinegar and water is also beneficial. The practice of using a hose or stream of cold water on a horse when heated is very injurious. Care should be exercised to see that the feed is kept free from dust, foreign substances and bad odor. Small quantities fed frequently are best for the animals. Bran mash should be given once a week, never oftener than twice, except when it is desirable as a purge. Glauber salts given once a week will help to keep the horse healthy. And then a horse should have grass. It is his natural food. A continual diet of hay hardens the coating of his stomach. The food is not digested. Carbonic acid gas is generated, and the horse dies in agony, swelling up, suffering from what is commonly known as colic. Watering a horse while warm or immediately after eating is bad; but before eating it is not objectionable, or while at work. Stables should be kept clean, well

FEBRUARY, 2d Month.

Weeks and Days.	Remarkable Days.	H. w. h.	Moon R. & S. h.	Moon h. m.	Moon Place.	Moon south.	Miscellaneous Particulars.	SUN slo. m. h.	MON rises. m. h.	TUE sets. h. m.	WED sets. h. m.	THU sets. h. m.
Tuesday	1 Bridget	7	12	8	24	6 18	1. Nept. ♂ ☽	146 595	1	20		
Wednesday	2 Candlemass	8	1	13	8	7 6	♀ sets 6 29	146 585	2	21		
Thursday	3 Blasius	9	2	14	23	7 58	4 rises 10 40	146 575	3	22		
Friday	4 Veronica	10	3	21	8	8 52	h south 10 14	146 565	4	23		
Saturday	5 Agatha	10	4	27	22	9 49	Nept. statio. ♀ ☽	146 555	5	24		

6] Septuagesima.

Matth. 20.

Days' length 10 hours 12 min.

Sunday	6 Dorothy	11	5	26	6	10 49	♀ gr. Hel. lat. south	146 545	6	25		
Monday	7 Richard	12	6	20	20	11 48	♂ ☽ Superior	146 535	7	26		
Tuesday	8 Solomon	1	rises	21	4	morn.	♂ ☽ south 6 14	156 525	8	27		
Wednesday	9 Apollonia	1	7	13	17	12 44	Din per. ♀ sets 6 57	156 515	9	28		
Thursday	10 Scholastica	2	8	24	0	1 40	♂ ♀ ♈ 4 rises 10 12	156 495	11	29		
Friday	11 Euphrosina	3	9	31	13	2 33	h south 9 45	156 485	12	30		
Saturday	12 Eulalia	4	10	37	25	3 26	Aldebaran so. 6 44	156 475	13	31		

7] Sexagesima.

Luke 8.

Days' length 10 hours 28 min.

Sunday	13 Castor	5	11	40	7	4 18	♀ ☽ Neptune □ ☽	156 465	14	F.		
Monday	14 Valentines	5	morn.	19	5	10	☽ ☽ Arct. se. 9 6	146 445	16	2		
Tuesday	15 Faustinus	6	12	47	1	6 3	♀ sets 7 02	146 435	17	3		
Wednesday	16 Julianus	7	1	40	13	6 5 14	rises 9 49	146 425	18	4		
Thursday	17 Constantia	8	2	33	25	7 46	Sirius so. 8 22	146 405	20	5		
Friday	18 Concordia	9	3	22	7	8 36	♀ stat. Spica ri. 9 32	146 395	21	6		
Saturday	19 Susanna	10	4	11	19	9 24	h so. 9 12 ☽ ent.	146 385	22	7		

8] Quinquagesima.

Luke 18.

Days' length 10 hours 46 min.

Sunday	20 Eucharius	11	4	53	2	10 11	Procyon so. 9 16	146 375	23	8		
Monday	21 Eleonora	12	5	37	14	10 57	♀ sets 7 13	146 365	24	9		
Tuesday	22 Wash. Birthday Shrove Tuesday	1	sets	27	11	26	☽ ☽ 22.7* se. 12 50	146 345	26	10		
Wednesday	23 Ash Wedn.	2	6	36	11	12 40	♀ ☽ ☽ ☽	146 335	27	11		
Thursday	24 Matthew	2	7	48	24	1 23	D in apogee ♀ ☽	146 325	28	12		
Friday	25 Victor	3	8	31	8	2 5	♀ in ♀ 4 rises 9 13	136 315	29	13		
Saturday	26 Nestor	4	9	29	22	2 47	h south 8 43	136 295	31	14		

9] Invocavit.

Matth. 4.

Days' length 11 hours 4 min.

Sunday	27 Leander	5	10	21	7	3 30	Orion south 7 8	136 285	32	15		
Monday	28 Romanus	5	11	10	21	4 14	Andromeda se. 9 4	136 275	33	16		

February has 28 Days.

MOON'S PHASES, &c.

First quarter the 1st, at 3 o'clock 26 min. in the morning; snow and stormy.

Full moon the 8th, at 5 o'clock 14 min. in the morning; rain or snow.

Last quarter the 14th, at 8 o'clock 32 min. in the evening; cold rain or snow.

New moon the 22d, at 4 o'clock 40 min. in the evening; clear and cold.

Probable State of the Weather.

1st, 2d cold and snow; 3d, 4th pleasant; 5th, 6th coldest days; 7th, 8th, 9th rain; 10th, 11th cold; 12th, 13th changeable; 14th rain; 15th, 16th cold; 17th, 18th mild; 19th, 20th cloudy; 21st, 22d, 23d pleasant; 24th, 25th changeable; 26th, 27th cold wind; 28th cloudy.

Court of Quarter Sessions and Common Pleas.

Westmoreland	7	Erie	7	Forest	28
Bradford	7	Northampton	14	Monroe	28
Wayne	7	Crawford	14	Pike	28
Columbia	7	Jefferson	14	Franklin	28
Bucks	7	Clinton	14	Montour	28
Juniata	7	Bedford	21	M'Kean	28
Lackawanna	7	Snyder	28	Sullivan	28
Northumberland	7				

ventilated and free from smells. The feed boxes should be scrupulously clean, and washed once a week with vinegar and water. A horse's stall should be large enough to allow him to lie down comfortably in any position. A tired horse will be glad to lie down with his legs stretched out if he has room; but if you can't give him a loose box, then a light halter block should be used, and care taken to arrange the halter so that it may travel freely to allow the head to come easily to the litter, for rest and sleep are as necessary as food and water. Those animals affected with glanders or discharge from the nostrils should be isolated and kept tied. Man and beast are both in danger of infection therefrom. In places and vicinity where an infected animal is thus tied the wood and iron work should be cleansed with hot water and soap, and covered with a wash of freshly-mixed quicklime, which should be scraped off and removed within two days. All harness, horse-cloths, saddle-cloths and blankets used by a glandered horse should be destroyed. Attention to these simple things will often save valuable horses from being ruined.



How to Take off a Hide.

In taking off a hide or calfskin, never cut the throat crosswise in the least. Slit the skin from the brisket to the tail, and from the brisket to the jaw; then cut around each leg to the hoof. Slit the hind legs from the hoof up directly over the gambrel, and the forward legs in the front, directly over the knee, to the top of the brisket bone. This leaves the hide or skin then in the proper shape for finishing.

Skin the head and legs carefully to avoid cutting them; then, commencing at the head, draw or fist off the skin without any further use of the knife, thereby avoiding the holes and cuts that almost spoil so many calfskins. Some farmers use a windlass to draw off the dairy skins, and others use a horse; but one or two men can do it a great deal more quickly and easily.

When taken off, lay the hide or skin flat on the floor in a cool place where the sun cannot shine upon it, and cover it with salt—rather fine salt being better than too coarse salt. Do not roll it up, but let it remain in the salt until you take off another; then place that one upon the other, salting freely as before, and so on until you get enough to make quite a pile; then commence another pile in the same manner. Do not be afraid to use salt freely; what the skins do not require will shake off and can be used again.

If you prefer to dry out your skins before selling them, be sure that they are thoroughly cured with salt before drying them, and then that they are thoroughly dried before being baled up for shipment.

Never dry out a skin without having it salted as described to preserve it from moths and other injuries on the hair side, which are liable to occur if the skins are not properly salted be-

MARCH, 3d Month.

Weeks and Days.	Remarkable Days.	H. w. h	Moon R & S. h m	Moon Place. h	Moons south. m	Miscellaneous Particulars.	SUN slo. m	SUN rises h m	SUN sets h m	O. style
Tuesday	1 St. David	6	morn	5	5	0 Nept. ♃ in Per. ☽	13	6	25	5 35 17
Wednesday	2 Emberday	7	12 51	19	5 48	2. ♀ sets 7 34	12	6	24	5 36 18
Thursday	3 Samuel	8	1 47	3	6 40	4 rises 8 51	12	6	23	5 37 19
Friday	4 Adrian	8	2 17	17	7 34	h south 8 19	12	6	21	5 39 20
Saturday	5 Frederick	9	3 11	1	8 30	♀ gr. di. ea. ♀ se. 6 25	12	6	20	5 40 21

10] Reminiscere.

Matth. 15.

Days' length 11 hours 22 min.

Sunday	6 Fridolin	10	4 5	15	9 28	Regulus so. 10 51	12	6	19	5 41 22
Monday	7 Perpetua	11	4 54	28	10 27	Sirius south 7 26	11	6	18	5 42 23
Tuesday	8 Philemon	12	5 35	12	11 25	♀ sets 7 50	11	6	16	5 44 24
Wednesday	9 Prudence	1	rises	25	morn.	9 ♀ pe. Cas. s. 85	11	6	15	5 45 25
Thursday	10 Apollonius	2	7 16	8	12 22	h south 7 55	11	6	14	5 46 26
Friday	11 Ernestus	3	8 25	20	1 18	♀ 4 rises 8 20	10	6	12	5 48 27
Saturday	12 Gregory	3	9 38	3	2 13	♀ gr. Hel. la. n. ♀ stat.	10	6	11	5 49 28

11] Oculi.

Luke 11.

Days' length 11 hours 40 min.

Sunday	13 Macedon	4	10 46	15	3	8 Spica rises 8 19	10	6	10	5 50 M
Monday	14 Zachariah	5	11 53	17	4	2 ♀♂ sets 11 32	9	6	8	5 52 2
Tuesday	15 Christopher	5	morn.	9	4 56	♀ sets 8 07	9	6	7	5 53 3
Wednesday	16 Cyprianus	6	12 28	21	5 49	16. ♀ ri. 7 58 ☽	9	6	6	5 54 4
Thursday	17 St. Patrick	7	1 16	3	6 47	h south 7 27	9	6	4	5 56 5
Friday	18 Anselmus	8	2 3	15	7 33	h stationary	8	6	3	5 57 6
Saturday	19 Josephus	9	2 50	27	8 22	Orion sets 12 16	8	6	2	5 58 7

12] Laetare.

John 6.

Days' length 12 hours 0 min.

Sunday	20 Matrona	10	3 37	9	9 9	○ enters <small>Day & night equal</small>	8	6	0	8
Monday	21 Benedictus	10	4 12	22	9 55	♀♂ ○ Inf. Spring co.	7	5	59	6 1 9
Tuesday	22 Paulina	11	4 52	5	10 39	♀ sets 8 21	7	5	58	6 2 10
Wednesday	23 Eberhard	12	5 27	19	11 22	♀♂ ○ in apogee	7	5	57	6 3 11
Thursday	24 Gabriel	1	sets	3	12 4	24. ♀♂ ♀	7	5	56	6 4 12
Friday	25 Ann. V. M.	2	7 20	18	12 46	♀ 4 rises 7 22	6	5	54	6 6 13
Saturday	26 Emanuel	2	8 16	2	1 28	♀♂ 7* sets 10 48	6	5	53	6 7 14

13] Judica.

John 8.

Days' length 12 hours 16 min.

Sunday	27 Gustavus	3	9 14	17	2 12	h south 6 48	6	5	52	6 8 15
Monday	28 Gideon	4	10 11	2	2 57	○ Neptune ○ ♀ in ♀	5	5	51	6 9 16
Tuesday	29 Eustasius	5	11 9	16	3 44	♀ sets 8 34	5	5	50	6 10 17
Wednesday	30 Guido	5	11 47	0	4 34	Procyon so. 6 57 ☽	5	5	49	6 11 18
Thursday	31 Detlaus	6	morn.	14	5 26	♂♂ ○ Sirius so. 11 2	4	5	48	6 12 19

March has 31 Days.

MOON'S PHASES, &c.

First quarter the 2d, at 8 o'clock 7 min. in the evening; rain or snow.

Full moon the 9th, at 3 o'clock 33 min. in the afternoon; clear and pleasant.

Last quarter the 16th, at 8 o'clock 42 min. in the morning; rain or snow.

New moon the 24th, at 11 o'clock 9 min. in the morning; cold and stormy.

Probable State of the Weather.

1st, 2d rain; 3d, 4th, 5th changeable; 6th, 7th snow; 8th, 9th, 10th pleasant; 11th, 12th, 13th cold; 14th, 15th, 16th rain; 17th 18th, 19th pleasant; 20th, 21st, 22d changeable; 23d, 24th, 25th cold winds; 26th, 27th, 28th clear; 29th, 30th, 31st changeable.

Court of Quarter Sessions and Common Pleas.

Philadelphia	7	Butler	7	Potter	7
Armstrong	7	Fayette	7	Indiana	14
Schuylkill	7	Warren	7	Washington	14
Lycoming	7	Montgomery	7	Union	14
Delaware	7	Beaver	7	Clearfield	21
Allegheny	7	Cambria	7		

fore being dried out. If your skins remain on hand very long after being dried out before delivery to the tanner, even if salted, watch them carefully to detect any indications of moths or worms on the hair side, and if any are discovered, have the skins vigorously whipped with a stick so often that they shall be wholly eradicated from the entire lot of skins as they often work serious injury in a very short time.

Don't call your Neighbor "a Hog."

A case occurred recently in Wisconsin, in which the writer of a local paper applied the name "hog" to a man named Solverton. The writer (Peterson) was sued for libel and judgment was awarded the plaintiff. The case was carried to the Supreme Court of Wisconsin, where the judgment was affirmed. Judge Orton, in the opinion, said: "The use of this term is most intensely contemptuous, and intended to bring the plaintiff into ridicule and contempt, and so injure his standing and reputation as a citizen."

—A piece of zinc put on live coals in the stove will clean out the stovepipe.



Weather Forecasts and Circular Storms.

Dr. Lonie, of St. Andrews, has lately drawn attention to some of the leading facts connected with the science of "weather forecasts" and with the theory of circular storms. He states that a strict examination of the records of the weather in Greenwich Observatory has conclusively proved that predictions based on the moon's changes are delusive. But in the matter of sun spots the case is different. There is a remarkable concurrence of scientific opinion that the $11\frac{1}{2}$ years' cycle of their recurrences leads to increased solar radiation, of which we have our share in the form of increased evaporation and rainfall, and consequent development of cyclonic and magnetic storms. Such a law, if once established, would prove to be an important means of weather-forecasting over long periods, and, looking backwards over the more remarkable weather events of the century, he finds two witnesses equally for its truth and its value. It has been remarked that a mild winter in Europe often corresponds to a severe one in Asia and America, and that a mild winter in America corresponds to a severe one in Europe. The years 1816–17 were marked in the history of Europe by a general famine and distress. The wet was such that the harvests failed entirely. But the southwest wind which blew without cessation over the western part of the Continent, and which drenched it in its vapours, did not extend beyond Poland, and it was the south of Russia whose corn supported famished Europe. Again, many persons can still remember the increased impulse given to the commerce between Europe and America by the drought of 1846, which damaged the corn crops in Europe, while America had an abundant harvest. Such facts forcibly illustrate the important part played in the life of nations by

APRIL, 4th Month.

Weeks and Days.	Remarkable Days.	H. w. h	Moon R. & S. m	Moons Place.	Moon south.	Miscellaneous Particulars.	SUN slo. m	SUN rises h m	SUN sets h m	O. sys.
Friday	1 Theodora	7 12 3°	28	6 20	1.Ri.se.9 57	45	45	6	15	20
Saturday	2 Theodosia	8 1 37	11	7 15	Alde.se.10 38	45	44	6	16	21

14] Palm Sunday.

Matth. 21.

Days' length 12 hours 36 min.

Sunday	3 Ferdinand	8 2 33	25	8 11	h sets 1 41	45	42	6	18	22
Monday	4 Ambrosius	9 3 30	8	9 8	in ♀ stationary	35	41	6	19	23
Tuesday	5 Maximus	10 4 16	21	10 4	h ☐ ♀ sets 8 54	35	40	6	20	24
Wednesday	6 Egesippus	11 4 46	10	4 10	59 1/4 rises 6 30	35	39	6	21	25
Thursday	7 Maundy Th.	12 5 10	16	11 55	Din per. ☽ ☽	25	37	6	23	26
Friday	8 Good Friday	1 rises	29	morn. 8. 24	☽	25	36	6	24	27
Saturday	9 Prochorus	1 7 46	11	12 51	Orion sets 11 1	25	35	6	25	28

15] Easter.

Mark 16.

Days' length 12 hours 54 min.

Sunday	10 Easter Sun.	2 8 42	23	1 46	Regulus south	8 45	15	33	6	27	29
Monday	11 Easter Mon.	3 9 37	5	2 42	Spica south	11 59	15	32	6	28	30
Tuesday	12 Eustachius	4 10 29	17	3 38	♀ sets 9 06	J	5	31	6	29	31
Wednesday	13 Justinus	4 11 23	29	4 33	h sets 1 03	J	5	29	6	31	A.
Thursday	14 Tyburtius	5 morn.	11	5 26	14 ♀ Ap.Nep. ☽	J	15	28	6	32	2
Friday	15 Olympia	6 12 9	23	6 16	1/4 rises 6 10	J	15	27	6	33	3
Saturday	16 Calixtus	7 12 58	5	7 6	Antares ris. 10 18	J	15	25	6	35	4

16] 1st Sunday after Easter.

John 20.

Days' length 13 hours 12 min.

Sunday	17 Rudolph	8 1 40	17	7 52	h in ☽ gr.dist.west	15 24	6	36	5
Monday	18 Aeneas	9 2 16	0	8 37	♀ rises 4 39	15	23	6	37
Tuesday	19 Anicetus	9 2 57	13	9 20	Dapo. Rigel s. 10 46	15	22	6	38
Wednesday	20 Sulpitius	10 3 29	27	10 2	☽ ☽ 1/4 ☽ ☽	15	21	6	39
Thursday	21 Adolarius	11 4 16	11	10 44	♀ sets 9 31	15	20	6	40
Friday	22 Cajus	12 4 43	26	11 47	h se. 12 19	15	18	6	42
Saturday	23 St. George	1 sets	11	12 10	23. Sir.se. 9 36	25	17	6	43

17] 2d Sunday after Easter.

John 10.

Days' length 13 hours 28 min.

Sunday	24 Albert	2 8 4	26	12 55	♂ ☽ Neptune ☽	25	16	6	44	12
Monday	25 Mark Evan.	3 9 9	11	1 42	Orion se. 10 02	25	15	6	45	13
Tuesday	26 Cletus	4 10 3	26	2 31	♀ sets 9 41	25	14	6	46	14
Wednesday	27 Anastasius	4 11 3	10	3 22	h sets 12 05	25	12	6	48	15
Thursday	28 Vitalis	5 11 58	24	4 15	h ☽ 1/4 so. 11 31	35	11	6	49	16
Friday	29 Sybilla	6 morn.	8	5 9	Wega ri. 7 19	35	10	6	50	17
Saturday	30 Eutropius	7 12 40	22	6 4	30. 7* sets 8 38	35	9	6	51	18

JUPITER is on the 20th in Opposition with the Sun and shines the whole night.

MARS is on the 24th in Conjunction with the Sun and cannot be seen.

April has 30 Days.

MOON'S PHASES, &c.

First quarter the 1st, at 8 o'clock 52 min. in the morning; rain.

Full moon the 8th, at 12 o'clock 39 min. in the morning; cold and stormy.

Last quarter the 14th, at 11 o'clock 3 min. in the evening; cold and frosty.

New moon the 23d, at 3 o'clock 52 min. in the morning; rainy.

First quarter the 30th, at 6 o'clock 1 min. in the evening; rain and stormy.

Probable State of the Weather.

1st changeable; 2d, 3d pleasant; 4th, 5th, 6th cloudy; 7th, 8th, 9th pleasant; 10th, 11th northwind; 12th, 13th cloudy; 14th, 15th, 16th cold; 17th, 18th clear; 19th, 20th, 21st pleasant; 23d, 23d, 24th rain; 25th, 26th pleasant; 27th, 28th cloudy; 29th, 30th clear.

Court of Quarter Sessions and Common Pleas.

Allegheny	4 Perry	11 Centre	25
Luzerne	4 Susquehanna	11 Bucks	25
Lawrence	4 Lehigh	11 Blair	25
Greene	4 Wyoming	11 Somerset	25
Mercer	4 Northampton	11 Venango	25
York	11 Mifflin	11 Dauphin	25
Carbon	11 Lebanon	18 Chester	25
Berks	11 Lancaster	18 Juniata	25
Huntingdon	11 Cameron	18 Clarion	25
Fulton	11 Bedford	18 Franklin	25
Cumberland	11 Adams	18	

variations in atmospheric currents, and the examples adduced correspond with the periods of maximum sun-spots and minimum sun-spots compiled for the century by Dr. Wolf. According to Dr. Lonie we are again approaching just such another period of maximum sun-spots as happened in the year 1846.

—Tobacco refuse, like the stems, is a powerful and quick-acting fertilizer, particularly rich in mineral elements, and at the same time distasteful to insects. Used liberally as a mulch for gooseberries and currant bushes, it generally protects them from the attacks of the troublesome worm. Applied in the same way around squash and other vines in the garden, it has a tendency to keep the striped bug and the squash borer at bay.

—A cup of strong coffee will remove the odor of onions from the breath.



Calender on Your Fingers.

This is the way that an old timer manages to keep the days of the week that months open with. It will be found correct and interesting to such people who have a memory for such things:

'What day of the week did January come in on?' asked Grandpa Martin. 'If you can tell that, I can tell you the day that any month will come in on, by help of a little lingo I learned from my father when I was a boy. Monday, did you say?' and grandpa held up his hands preparatory to counting his fingers. Now, April is the month; let us see: 'At Dover dwelt George Brown, Esq., good Christopher French and David Frier.' We go by the first letters of these words—1, 2, 3, 4—At Dover dwelt George—G is the letter we want, and it is the seventh in the alphabet. January came in on Monday, you say. Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday—seven: April comes in on Sunday. Take February—second month—at Dover. D is the letter, and fourth in the alphabet. Take Monday again as the starting point—Monday, one; Tuesday, two; Wednesday, three; Thursday, four; February comes in on Thursday.'

'If you make no mistake in using the rule, it will give you the answer every time. Leap year requires the addition of one day for the last ten months, to allow for the additional day, the 29th of February.'

'I never knew anybody outside of my father's family,' continued grandpa, 'who knew this little lingo and how to use it. He taught it to his children, and I have tried to teach it to mine, but they seem to forget it, and I am afraid it will get lost. When father used to go to presbytery, fifty years ago, it often happened that a question of dates and their relation to

MAY, 5th Month.

Weeks and Days.	Remarkable Days.	n. w. h	Moon R. & S. h m	Moons Place.	Moon south.	Miscellaneous Particulars.	SUN fast m	SUN rises. h	SUN sets. m	O day
18] 3d Sunday after Easter. John 16. Days' length 13 hours 40 min.										
Sunday	1 Philip & Ja.	7	1 27	♂ 5	6 58	♀ in Perihelion ☽	3 5	8 6	52 19	
Monday	2 Sigismund	8	2 23	♂ 18	7 52	♀ sets 9 52	3 5	7 6	53 20	
Tuesday	3 Inv. of Cross	9	2 53	♂ 1	8 48	♀ south 11 05	3 5	6 6	54 21	
Wednesday	4 Florianus	10	3 47	♂ 13	9 40	♂ ☽ & Sir. se. 8 46	3 5	5 6	55 22	
Thursday	5 Godard	11	4 27	♂ 25	10 34	♀ oper. ♀ gr. hel. lat.s.	3 5	4 6	56 23	
Friday	6 Aggeus	12	4 59	♂ 11	29	♂ sets 11 36	4 5	2 6	58 24	
Saturday	7 Domicilla		rises	♂ 20 morn.	♂ 7	Spi. so. 10 20	4 5	1 6	59 25	
19] 4th Sunday after Easter. John 16. Days' length 14 hours 0 min.										
Sunday	8 Stanislaus	1	8 22	♂ 21	2 25	♀ sets 8 4	4 5	0 7	0 26	
Monday	9 Job	2	9 14	♂ 14	1 22	♀ sets 10 03	4 4	59 7	1 27	
Tuesday	10 Gordianus	3	10 5	♂ 25	2 19	Antares ri. 8 49 ☽	4 4	58 7	2 28	
Wednesday	11 Mamertus	3	10 52	♂ 7	3 14	♀ sets 4 1	4 4	57 7	3 29	
Thursday	12 Pancratius	4	11 35	♂ 19	4 8	Orion sets 8 58	4 4	56 7	4 30	
Friday	13 Servatius	5	morn.	♂ 1	5 47	♂ rises 11 11	4 4	55 7	5 M	
Saturday	14 Christianus	5	12 15	♂ 13	6 33	♂ 14. Arc. s. 10 45	4 4	54 7	6 2	
20] 5th Sunday after Easter. John 16. Days' length 14 hours 14 min..										
Sunday	15 Sophia	6	12 50	♂ 26	7 17	Librae south 11 39	4 4	53 7	7 3	
Monday	16 Peregrine	7	1 26	♂ 9	8 0	♀ sets 10 13	4 4	52 7	8 4	
Tuesday	17 Jodocus	8	1 57	♂ 22	8 42	Dap. ♀ Proc. s. 10 15	4 4	52 7	8 5	
Wednesday	18 Liborius	9	2 48	♂ 5	9 24	Neptune ♂ ☽	4 4	51 7	9 6	
Thursday	19 Ascension	10	3 19	♂ 20	10 7	♂ in ♀ ♁ sets 3 27	4 4	50 7	10 7	
Friday	20 Torpetus	11	3 52	♂ 4	10 51	♂ sets 10 45	4 4	49 7	11 8	
Saturday	21 Prudence	12	4 28	♂ 19	11 12	♀ ♂ ☽ enters ☽ ☽	4 4	48 7	12 9	
21] 6th Sunday after Easter. John 15. Days' length 14 hours 24 min.										
Sunday	22 Helena	1	sets	♂ 4	11 59	22. Rig. se. 7 37	4 4	48 7	12 10	
Monday	23 Desiderius	2	8 5	♂ 20	1 18	♀ gr. Hel. lat. n.	4 4	47 7	13 11	
Tuesday	24 Esther	2	8 58	♂ 5	2 11	♀ in ♀ ♁ sets 10 20 ☽	3 4	46 7	14 12	
Wednesday	25 Urbanus	3	9 53	♂ 20	3 6	♀ ☽ Castor se. 8 39	3 4	45 7	15 13	
Thursday	26 Edward	4	10 44	♂ 4	4 0	♂ ☽ ♁ sets 2 57	3 4	44 7	16 14	
Friday	27 Lucianus	5	11 42	♂ 18	4 58	♀ ☽ Superior	3 4	43 7	17 15	
Saturday	28 William	6	morn.	♂ 2	5 48	♀ in Perihelion	3 4	43 7	17 16	
22] Whitsuntide. John 14. Days' length 14 hours 36 min.										
Sunday	29 Whitsunday	7	12 53	♂ 15	6 40	♂ sets 9 53	3 4	42 7	18 17	
Monday	30 Whitmonday	8	1 22	♂ 28	7 3	♂ 30. ♀ sets 10 26	3 4	41 7	19 18	
Tuesday	31 Manilius	9	1 57	♂ 10	7 35	♂ ☽ Spica so. 8 44	3 4	41 7	19 19	

May has 31 Days.

MOON'S PHASES, &c.

Full moon the 7th, at 9 o'clock 1 min. in the morning; changeable.

Last quarter the 14th, at 3 o'clock 17 min. in the afternoon; pleasant and mild.

New moon the 22d, at 6 o'clock 5 min. in the evening; rainy.

First quarter the 30th, at 12 o'clock 9 min. in the morning; brings rain.

Probable State of the Weather.

1st, 2d pleasant; 3d, 4th cloudy; 5th, 6th, 7th showers; 8th, 9th, 10th pleasant; 11th, 12th, 13th, 14th changeable; 15th, 16th warm; 17th, 18th thundershower; 19th, 20th changeable; 21st, 22d rain; 23d, 24th pleasant; 25th, 26th, 27th agreeable; 28th, 29th rain; 30th, 31st clear.

SUPREME COURT—at Harrisburg

30

Court of Quarter Sessions and Common Pleas.

Erie	2	Lackawanna	2	Union	16
Bradford	2	Crawford	9	Pike	16
Lycoming	2	Westmoreland	9	Montour	23
Tioga	2	Jefferson	9	Snyder	23
Schuylkill	2	Washington	9	Monroe	23
Wayne	2	Clinton	9	Sullivan	23
Columbia	2	Forest	16	Elk	23
Northumberland	2				

days would come up, and no almanac at hand; in fact, the question might be as to some day of the next year; but almanac or not, my father could always find the fact wanted with just the little key of the first day of the years.'

—The easiest and simplest remedy for chapped hands is found in every household. Take common starch and grind with a knife until it is reduced to the smoothest powder. Take a clean box and fill it with starch thus prepared. Every time the hands are taken from the suds or dish water wipe them, and while they are yet damp rub a portion of starch thoroughly over them, covering the surface. The effect is magical. The rough smarting skin is cooled, soothed and healed, bringing and insuring the greatest degree of comfort and freedom from this by no means insignificant trial.

—Carpets should be thoroughly beaten on the wrong side first and then on the right side, after which spots may be removed by the use of ox-gall or ammonia and water.



How to Know when Leap Year is Coming.

Every single girl who is slow in being courted and who has made a resolve to move for herself, anxiously awaits the approach of leap year, for then she knows an opportunity will be presented to do a little courting herself. The question is frequently asked if the year 1900 will be leap year, and if not, why not?

The following will be of service to her:

Every year not ending in two ciphers which is exactly divisible by 4, and those ending in two ciphers, which are exactly divisible by 400, are leap years of 366 days.

The years 1880 and 1884, for example, were leap years, being devisible by 4, and the years 2000 and 2400 will be leap years, being divisible by 400, but the years 1887 and 1900 will not be leap years, the one not being exactly divisible by 4, and the other, which ends in two ciphers, not being divisible by 400. If every fourth year were made a leap year, six hours would be allowed for the excess of the solar year over an exact number of solar days, whereas the solar year actually exceeds the common year but by 5 hours 48 minutes and 49.7 seconds. The difference of 11 minutes and 10.5 seconds would in 400 years amount to 74 hours 28 minutes and 40 seconds, or something over three days. Hence three years in every 400 —those representing the exact hundreds not divisible by 400—are excluded from the list of leap years. There remains still a gain of 2 hours 28 minutes 40 seconds in every 400 years to take account of, but as at that rate of gain it will require about 3,875 years for our calendar to gain a day, few practical people are disposed to worry over it.

—Unslackened lime near meat preserves it by keeping the air dry.

JUNE, 6th Month.

Weeks and Days.	Remarkable Days.	H. w. h.	Moon R. & S. h m	Moons Place.	Moon south.	Miscellaneous Particulars.	SUN fast m	SUN rises. h m	SUN sets h m	O. days
Wednesday	1 Emberday	10	2 25	22	8 25	Regul. se. 11 51 ♂	34	40	7 20	20
Thursday	2 Marcellus	11	2 55	5	9 18	in perigee 46	24	40	7 20	21
Friday	3 Erasmus	11	3 36	17	10 12	h sets 9 40	24	39	7 21	22
Saturday	4 Darius	12	4 0	28 11	7 24	sets 2 21	24	39	7 21	23

23] *Trinity Sunday.*

John 3. Days' length 14 hours 42 min.

Sunday	5 Bonifacius	1	rises	10 morn.	5. Lib. so. 10 14	24 39	7 21	24	24
Monday	6 Artenius	2	8 12	22	12 3 ♀ sets 10 25	24	38	7 22	25
Tuesday	7 Lucretia	3	9 8	4	1 0 Antar. so. 11 17 ♂	24	38	7 22	26
Wednesday	8 Medardus	3	9 52	16	1 58 ♀ gr. Hel. lat. north	14	38	7 22	27
Thursday	9 Cor. Christi	4	10 22	28	2 48 Altair south 12 34	14	37	7 23	28
Friday	10 Flavius	5	11 8	10	3 39 h sets 9 35	14	37	7 23	29
Saturday	11 Barnabas	6	11 47	22	4 27 24 sets 1 53	14	36	7 24	30

24] *1st Sunday after Trinity.* Luke 16. Days' length 14 hours 48 min.

Sunday	12 Basilides	6	morn.	5 5	12 Castor se. 10 8	14 36	7 24	31	
Monday	13 Tobias	7	12 13	18	5 56 13. ♀ se. 10 24	14 36	7 24	J.	
Tuesday	14 Heliseus.	8	12 47	1	6 38 Dap. & Weg. so. 1 03	14 36	7 24	2	
Wednesday	15 Vitus	8	1 23	14	7 20 Spica sets 1 7	14	35	7 25	3
Thursday	16 Rolandus	9	2 16	28	8 2 h sets 9 12	14	35	7 25	4
Friday	17 Nicander	10	2 39	13	8 46 24 sets 1 28	14	35	7 25	5
Saturday	18 Arnolphus	10	3 43	28	9 31 Neptune ♂ ♂	14	35	7 25	6

25] *2d Sunday after Trinity.* Luke 14. Days' length 14 hours 50 min.

Sunday	19 Gervasius	11	4 6	13 10 39	♂ ♂ ♂ rises 3 40	14	35	7 25	7
Monday	20 Sylverius	12	4 37	28 11 10	♂ ♂ ♂ Arctur. so. 8 14	14	35	7 25	8
Tuesday	21 Raphael	1	sets	13 12 4	21 ♂ e. ♂ Lon. D.	14	34	7 26	9
Wednesday	22 Achatius	1	8 33	28 12 59	Sum. com. ♂	24	35	7 25	10
Thursday	23 Agrippina	2	9 19	13 1	55 ♀ sets 10 11	24	35	7 25	11
Friday	24 John, Bapt.	3	10 8	27 2	50 ♀ ♂ h sets 8 41	24	35	7 25	12
Saturday	25 Elogius	4	10 45	11 3	45 Procyon sets 7 36	24	35	7 25	13

26] *3d Sunday after Trinity.* Luke 15. Days' length 14 hours 50 min.

Sunday	26 Jeremiah	5	11 26	24	4 58 24 sets 1 02	34	35	7 25	14
Monday	27 7 Sleepers	6	11 59	7	5 30 7* rises 1 50	34	35	7 25	15
Tuesday	28 Leo	7	morn.	19	6 21 28 ♂ r. 3 28 ♂ pe.	34	36	7 24	16
Wednesday	29 St. Peter	8	12 39	2	7 13 ♂ 46 ♂ ♂	34	36	7 24	17
Thursday	30 Lucina	9	1 27	14	8 5 ♀ gr. distance east	34	36	7 24	18

June has 30 Days.

MOON'S PHASES, &c.

Full moon the 5th, at 5 o'clock 38 min. in the evening; clear and pleasant.

Last quarter the 13th, at 8 o'clock 34 min. in the morning; changeable.

New moon the 21st, at 5 o'clock 52 min. in the morning; clear and pleasant.

First quarter the 28th, at 5 o'clock 1 min. in the morning; clear and pleasant.

Probable State of the Weather.

1st, 2d cloudy; 3d, 4th rain; 5th, 6th, 7th pleasant; 8th, 9th thundergust; 10th, 11th clear; 12th, 13th, 14th changeable; 15th, 16th rain; 17th, 18th pleasant; 19th, 20th clear; 21st, 22d, 23d rain; 24th, 25th, 26th warm; 27th, 28th thundergust; 29th, 30th pleasant.

Court of Quarter Sessions and Common Pleas.

Philadelphia	6 Butler	6 Indiana	13
Warren	6 Lehigh	6 Northampton	13
Armstrong	6 Clearfield	6 Carbon	13
Delaware	6 Montgomery	6 M'Kean	20
Fayette	6 Cambria	6 Lawrence	20
Allegheny	6 Fulton	13 Greene	20
Beaver	6 Potter	13 York	20

When to have Chickens Hatched.

Chickens hatched before May 1 are the ones that win at the exhibitions and also lay the most eggs the following winter. To hatch before March 15 is generally to have them moult in the fall and then become prematurely old hens. The following is the best time for the different breeds: Let the Brahmans, Cochins, and Langshans, commence to hatch by March 15 and continue until June 1; Plymouth Rocks and Wyandotts from April 15 to July 1. The old rule is a good one: "Never hatch chicks after haying time;" it cannot be made to pay. Fowls do not require as much room in winter as during summer, and a very small place will answer nicely if kept clean and well lighted and gets the sun during a portion of the day at least, although they should have the sun's rays during the entire day if it can be so arranged; nothing will supply its place when eggs in winter and early spring chickens are wanted. The best morning meal for chickens are middlings with a small quantity of bone meal, salt and pepper, and mixed with boiling water; let it be crumbly, and not suggy.



Good Rules for Telling the Age of a Horse.

The full-grown horse possesses twenty-four back teeth; that is six in each side of each jaw. These are called molars or grinders. He has twelve front teeth, that is six in each jaw. Mares have no tushes. The foal has, either at his birth or shortly afterward, eight milk teeth, that is four in each jaw. At about twelve months two more milk teeth come in each jaw. These remain unchanged till he is three years old. The mouth of the yearling and two years old cannot be confounded. The yearling mouth shows no sign of use, and the corner teeth are shells only. At two years old these teeth are strong and well grown, and the corner teeth filled up. A little before three years old the two centre teeth of each jaw fall out, and are replaced by permanent teeth. A little before four the two teeth on each side of the centre teeth are replaced by permanent ones. A little before five the two remaining teeth are shed, and in their place come permanent ones. The upper milk teeth usually fall out first.

Thus the mouth is complete as to its front teeth. The corner tooth, however, is but imperfectly developed, being at present a shell only. This shell, at six years old, has filled up, and is a complete tooth. This is the difference between a five and a six-year old. The tushes appear between three and a half years and four years old, and they take nearly two years to arrive at their full growth. These teeth, as the horse grows older, get blunter and shorter, and so, to an experienced judge, are a sure indication of age. Up to six years old the mouth is in a distinct and periodical state of structural change. There is no difficulty in determining the age up to that date. After that the age must be judged by the shape of the mouth and the appearance of the teeth.

JULY, 7th Month.

SATURN is on the 18th in Conjunction with the Sun and cannot be seen.

July has 31 Days.

MOON'S PHASES, &c.

Full moon the 5th, at 3 o'clock 34 min. in the morning; thundergust.

Last quarter the 13th, at 1 o'clock 57 min. in the morning; clear.

New moon the 20th, at 3 o'clock 50 min. in the afternoon; changeable.

First quarter the 27th, at 9 o'clock 30 min. in the morning; changeable.

Probable State of the Weather.

1st, 2d, 3d cloudy; 4th, 5th, 6th showers; 7th, 8th changeable; 9th, 10th, 11th warm; 12th, 13th, 14th warmest days; 15th, 16th showers; 17th, 18th, 19th clear; 20th, 21st pleasant; 22d, 23d showers; 24th, 25th, 26th, 27th pleasant; 28th, 29th cloudy; 30th, 31st clear.

Court of Quarter Sessions and Common Pleas.

Allegheny	4	Blair	25
Schuylkill	4		

called the mark. At six years of age the cups leave two centre teeth above; at seven, the next two above; and at eight, the outer and corner teeth above.

At nine the two centre teeth below lose the cups, at ten the next two below, and at eleven the outer or corner teeth below. After a little practice the close observer can scarcely make a mistake. The changes that occur are the same in all horses, or nearly so.

How to Purify Cisterns.

Cisterns become foul from organic matter flowing in with the water from the roof. The only way to purify the water, while in the cistern, is to throw in some substance or substances that will chemically unite with the impurities, forming an insoluble compound that will be precipitated to the bottom. Dissolved alum will effect this, but will leave the water hard. Hypermanganate of potassa, which can be purchased at any drugstore, will precipitate the impurities and at the same time leave the water softer. About one ounce of the compound to fifty gallons of water is the usual proportion. The chemical reaction is marked by a purple coloring, and the hypermanganate should be added until this coloring disappears.



The Best Lightning-Rod.

In general, lightning-rods cost a great deal too much, and are often badly made and set up. They are not things to play, or fool with, and a bad rod is worse than none, for it may attract the lightning and then fail to carry it off without damage. The best rod is of three-quarter inch iron, drawn to a long, sharp point, which should be made smooth, and gilded, or coppered. The sections must be fastened together with screw ferrules, and the ends should be filed smooth and bright, and be fixed in contact. It is quite safe if fastened to a pole a few feet higher than the building and set near to it, and it should extend ten or twelve feet above the pole. There is no need for glass fittings, as insulators; iron eyes screwed into the pole, or hooks fixed to bands to fit around the pole, are quite as safe as glass holders, which are useless when wet.

The chief point is the ground connection. This should be carried into permanently moist earth, or, better still, into water. We might give reasons for all this, but if one wishes to know the why and the wherefore, he should study a handbook of electricity, and he will learn enough to make him quite a match for the peripatetic lightning-rod agents, who, as a rule, are not desirable visitors. A perfectly safe and effective rod may be put up in the way above described for ten to twenty five dollars, and will be worth more than any of the patent fancy things, in too common use.

—It is claimed that if persons liable to the effects of poison-ivy will take a dose of pure olive oil after exposure to such ivy they will escape annoyance. If the eruption has already begun, a few doses of olive oil will neutralize the effects of the poison.

AUGUST, 8th Month.

Weeks and Days.	Remarkable Days.	H. w. h	Moon R. & S. h m	Moons Place.	Moon south.	Miscellaneous Particulars.	SUN slo. m	SUN rises. h m	SUN sets, h m	O style
Monday	1 Lammas Day	11	3 16	10	10 29	♀ gr. Hel. lat. so. ☽	6	4 57	7	3 20
Tuesday	2 Stephen	12	4 11	22	11 21	♀ sets 8 48	6	4 58	7	2 21
Wednesday	3 Augustus	1	rises	4	morn.	☽ 3. ♀ rises 2 47	6	4 59	7	1 22
Thursday	4 Dominic	2	7 20	16	12 12	☽ 4 sets 10 22	6	5 07	7	0 23
Friday	5 Oswald	2	7 57	29	1 0	Altair south 10 42	6	5 16	59	24
Saturday	6 Tr. of Christ	3	8 29	12	1 45	Sirius rises 4 30	6	5 26	58	25

32] 9th Sunday after Trinity. Luke 16. Days' length 13 hours 54 min.

Sunday	7 Donatus	4	9 0	25	2 29	♀ sta. Wega so. 9 25	5	5 36	57	26
Monday	8 Emilius	5	9 37	8	3 11	♂ Dap. & Reg. s. 7 33	5	5 46	56	27
Tuesday	9 Ericus	6	10 11	21	3 53	♀ sets 8 32	5	5 56	55	28
Wednesday	10 St. Lawrence	6	10 50	4	4 35	☽ ♀ rises 2 41	5	6 6	54	29
Thursday	11 Titus	7	11 43	18	5 18	☽ 11 Fom so 1 25	5	7 6	53	30
Friday	12 Clara	8	morn.	2	6 3	4 sets 9 53	5	8 6	52	31
Saturday	13 Hildebert	9	12 20	17	6 50	Spica sets 9 10	5	9 6	51	A.

33] 10th Sunday after Trinity. Luke 19. Days' length 13 hours 38 min.

Sunday	14 Eusebius	9	1 10	2	7 40	Rigel rises 2 00 ☽	4	5 11	6 49	2
Monday	15 Assn. V. M.	10	2 8	16	8 3?	♂ great. brilliancy	4	5 12	6 48	3
Tuesday	16 Rochus	11	2 58	1	9 28	♀ gr. dist. west ☽ h	4	5 14	6 46	4
Wednesday	17 Bertram	11	3 48	15	10 20	♀ ☽ ♀ ri. 4 30 morn.	4	5 15	6 45	5
Thursday	18 Agapetus	12	4 33	29	11 18	☽ ♀ rises 2 36	4	5 16	6 44	6
Friday	19 Sebaldus	1	sets	13	11 56	☽ 19. 4 sets 9 28	3	5 17	6 43	7
Saturday	20 Bernard	2	7 53	27	1 10	☽ in per. ♀ sets 7 53	3	5 18	6 42	8

34] 11th Sunday after Trinity. Luke 18. Days' length 13 hours 22 min.

Sunday	21 Rebecca	3	8 45	10	2 8	♀ in Aphel. ☿ ♀ ☽ ♂	3	5 19	6 41	9
Monday	22 Philibert	4	9 18	23	3 2	Dog Days end.	3	5 20	6 40	10
Tuesday	23 Zacheus	4	9 58	6	3 57	☽ ☽ ☽ enters ☽	2	5 21	6 39	11
Wednesday	24 St. Barthol.	5	10 32	19	4 50	♀ in Perihelion	2	5 23	6 37	12
Thursday	25 Ludovicus	6	11 16	1	5 44	☽ 25. 4 sets 9 10	2	5 24	6 36	13
Friday	26 Samuel	7	11 58	13	6 38	Orion rises 1 3	2	5 25	6 35	14
Saturday	27 Gebhard	8	morn.	25	7 32	♂ rises 2 31	1	5 27	6 33	15

35] 12th Sunday after Trinity. Mark 7. Days' length 13 hours 4 min.

Sunday	28 St. Augustin	9	12 37	6	8 25	♂ ☽ h 7* rises 9 44	1	5 28	6 32	16
Monday	29 St. John beh.	10	1 39	1-	9 17	♀ sets 7 25	1	5 29	6 31	17
Tuesday	30 Benjamin	11	2 41	0	10 7	Spica sets 8 8	0	5 30	6 30	18
Wednesday	31 Paulinus	11	3 42	13	10 41	♀ sta. Wega so. 7 54	0	5 31	6 29	19

August has 31 Days.

MOON'S PHASES, &c.

Full moon the 3d, at 3 o'clock 40 min. in the afternoon; changeable.

Last quarter the 11th, at 6 o'clock 36 min. in the evening; clear and pleasant.

New moon the 19th, at 12 o'clock 38 min. in the morning; clear and pleasant.

First quarter the 25th, at 3 o'clock 21 min. in the afternoon; changeable.

Probable State of the Weather.

1st, 2d cloudy; 3d, 4th changeable; 5th, 6th, 7th rain; 8th, 9th, 10th pleasant; 11th, 12th, 13th cloudy; 14th thundergust; 15th, 16th, 17th changeable; 18th, 19th, 20th, 21st pleasant; 22d, 23d rain; 24th, 25th, 26th changeable; 27th, 28th, 29th pleasant; 30th, 31st rain.

Court of Quarter Sessions and Common Pleas.

Mercer	1	Wyoming	15	Venango	22
Lackawanna	1	Adams	15	Cumberland	22
Perry	1	Washington	15	Mifflin	22
Susquehanna	8	Lancaster	15	Somerset	22
Northampton	8	Huntingdon	15	Westmoreland	29
Berks	8	Lebanon	22	Tioga	29
Chester	8	Centre	22	Dauphin	29
Cameron	8	Clarion	22		

How to Cleanse Waste-Pipes.

One of the most frequent and trying annoyances of housekeeping is the obstruction to the free, quick outlet of the waste-water of the wash-stand, the bath-tub and the kitchen-sink. This is caused by a gradual accumulation of small bits of refuse material—grease, meat, bones, paper, rags, match-stumps, or other offal—which check, and finally stop, the outflow of the waste-water. A simple, inexpensive method of clearing the pipe is as follows: Just before retiring at night pour into the pipe enough liquid potash lye of thirty-six degrees' strength to fill the trap—that is, the bent portion of the pipe, just below the outlet. About a pint will suffice for a wash-stand, or a quart for a bath-tub or a kitchen-sink. Be sure that no water runs into it till the next morning. During the night the lye will convert all the offal of the pipe into soft soap, and the first current of water in the morning will remove it entirely and leave the pipe as clean as new.

—If meat bakes too fast cover with buttered paper.



Health Hints.

There's a skin without and a skin within,
A covering skin and a lining skin;
But the skin within is the skin without,
Doubled inward and carried completely throughout.

The palate, the nostrils, the windpipe and throat,
Are all of them lined with this inner coat,
Which through every part is made to extend,
Lungs, liver and bowels from end to end.

The outside skin is a marvellous plan
For exuding the dregs of the flesh of man;
While the inner extracts from the food and the air
What is needed the waste of the flesh to repair.

Too much brandy, whisky or gin
Is apt to disorder the skin within;
While, if dirty and dry, the skin without
Refuses to let the sweat come out.

Good people all, have a care of your skin,
Both that without and that within;
To the first give plenty of water and soap,
To the last, little else but water, we hope.

But always be very particular where
You get your water, your food and your air;
For if these be tainted or rendered impure,
It will have its effect on the blood, be sure.

The food which will ever for you be the best
Is that you like most and can soonest digest.
All unripe fruit and decaying flesh
Beware of, and fish that is not very fresh.

But of all things the most I would have you beware
Of breathing the poison of once-breathed air—
When in bed, whether out or at home you may be,
Always open the windows and let it go free.

With clothing and exercise keep yourselves warm,
And change your clothes quickly if caught in a storm,
For a cold caught by chilling the outside skin •
Flies at once to the delicate lining within.

All you who thus kindly take care of your skin,
And attend to its wants without and within,
Need never of cholera feel any fears,
And your skin may last you a hundred years.

SEPTEMBER, 9th Month.

Weeks and Days.	Remarkable Days.	h. w. h	Moon R. & S. h m	Moons Place.	Moon south.	Miscellaneous Particulars.	SUN fast m h m	SUN rises. h m	SUN sets. h m	o. d.
Thursday	1 Egidius	12	4 45	25	11 41	4 sets 8 43 ☽	05	326	28	20
Friday	2 Eliza	1	rises	28	morn.	2. ☿ rises 2 27	15	336	27	21
Saturday	3 Mansuetus	2	7 23	21	12 25	gr. Hel. lat. north	15	356	25	22

36] 13th Sunday after Trinity. Luke 10. Days' length 12 hours 48 min.

Sunday	4 Moses	3	7 53	4	1 88	h rises 2 13	15	366	24	23
Monday	5 Nathaniel	3	8 22	18	1 50	Din ap. ♀ sets 6 13	15	376	23	24
Tuesday	6 Magnus	4	8 52	1	2 32	Sirius rises 2 36	25	396	21	25
Wednesday	7 Regina	5	9 51	15	3 14	Rigel rises 11 34	25	406	20	26
Thursday	8 Nat. V. M	6	9 5	29	3 58	4 sets 8 23	25	416	19	27
Friday	9 Bruno	7	10 36	13	4 43	♂ rises 2 22	35	436	17	28
Saturday	10 Pulcheria	7	11 19	28	5 31	10 ♀ sets Sup ☽	35	446	16	29

37] 14th Sunday after Trinity. Luke 17. Days' length 12 hours 30 min.

Sunday	11 Protus	8	morn.	12	6 21	Wega south	7 14	35456	15	30
Monday	12 J. Wickliffe	9	12 15	26	7 14	h rises 1 43	45466	14	31	
Tuesday	13 Amatus	10	1 27	10	8 9	♀ gr. Hell. lat. s. h ♂	45486	12	S.	
Wednesday	14 Elev. Holy +	0	2 31	21	9 5 58	Altair so. 8 13	45496	11	2	
Thursday	15 Nicetas	11	3 37	10	2 23	♀ sets 5 58	55506	10	3	
Friday	16 Euphemia	12	4 3	22	10 58	4 sets 7 51	55526	8	4	
Saturday	17 Lampertus	1	sets	5	11 54	17. ♀ rises 2 18	65536	7	5	

38] 15th Sunday after Trinity. Matth. 6. Days' length 12 hours 10 min.

Sunday	18 Siegfried	1	7 35	18	12 50	♂ in perigee ☽	65	556	5	6
Monday	19 Micleta	2	8 07	1	1 45	♀ ♂ h rises 1 24	65	566	4	7
Tuesday	20 Jonas	3	8 48	14	2 40	♀ ♂ Inferior	75	576	3	8
Wednesday	21 Emberday	4	9 15	26	3 36	4 sets 7 36	75	586	2	9
Thursday	22 Maurice	5	10 9	8	4 31	Aldebaran ri. 9 37	75	596	1	10
Friday	23 Hoseas	6	10 59	20	5 27	♂ ☽ D & N equal ☽	86	06	0	11
Saturday	24 St. John con.	7	11 52	2	6 21	24 Or 11 16 Aut com	86	15	59	12

39] 16th Sunday after Trinity. Luke 7. Days' length 11 hours 54 min.

Sunday	25 Cleophas	8	morn.	14	7 14	♂ rises 2 11	96	3557	13	
Monday	26 Justina	9	12 53	26	8 5	Antares south	827	96	4556	14
Tuesday	27 Cosmus	10	1 48	8	8 53	♂ in ♀ Fom. so. 10 34	96	6554	15	
Wednesday	28 Wenceslaus	10	2 44	20	9 39	♀ rises 5 34	106	7553	16	
Thursday	29 St. Michael	11	3 40	2	10 24	h rises 12 49	106	8552	17	
Friday	30 Jerome	12	4 37	16	11 47	4 sets 7 06	106	10550	18	

VENUS is on the 21st in Inferior Conjunction with the Sun and passes from Evening to Morning Star.

September has 30 Days.

MOON'S PHASES, &c.

Full moon the 2d, at 6 o'clock 12 min. in the morning; brings rain.

Last quarter the 10th, at 10 o'clock 3 min. in the forenoon; rain.

New moon the 17th, at 8 o'clock 59 min. in the morning; changeable.

First quarter the 24th, at 12 o'clock 3 min. in the morning; clear.

Probable State of the Weather.

1st, 2d windy; 3d, 4th, 5th clear; 6th, 7th pleasant; 8th, 9th, 10th showers; 11th, 12th, 13th clear; 14th, 15th cloudy; 16th, 17th changeable; 18th, 19th rain; 20th, 21st pleasant; 22d, 23d rain; 24th, 25th, 26th changeable; 27th, 28th pleasant; 29th, 30th changeable.

Court of Quarter Sessions and Common Pleas.

Beaver	5 Allegheny	5 Union	19
Schuylkill	5 Montgomery	5 Potter	19
Columbia	5 Franklin	5 Delaware	19
Juniata	5 Erie	5 Bedford	19
Fayette	5 Butler	5 M'Kean	26
Cambria	5 Crawford	12 Snyder	26
Armstrong	5 Clinton	12 Sullivan	26
Wayne	5 Indiana	12 Forest	26
Luzerne	5 Bucks	12 Montour	26
Bradford	5 Jefferson	12 Pike	26
Warren	5 Philadelphia	19 Monroe	26
Lehigh	5 Elk	19 Clearfield	26
Northumberland	5		

Cement for Cast Iron.

A correspondent of the *English Mechanic* says that he used the following recipe with the greatest success for the cementing of iron railing tops, iron gratings to stoves, etc., and with such effect as to resist the blows of a sledge hammer: Take equal parts of sulphur and white lead, with about a sixth of borax, incorporate the three so as to form one homogenous mass. When going to apply it, wet with strong sulphuric acid and place a thin layer of it between the two pieces of iron, which should then be pressed together. In five days it will be perfectly dry, all traces of the cement having vanished, and the iron will have the appearance of having been welded together.

—Sick headache may generally be cured by the administration of the juice of half a lemon in a cup of strong, black coffee, without sugar.



Weather Prognostics.

Rain follows two or three consecutive hoar frosts.

A shower of hail in the daytime is usually followed by frost at night.

A tinted halo around the sun at setting occurs in long continued rainy weather.

Red-tinted clouds, high up at evening, are followed by wind, occasionally by rain.

If on a fine day, the dust suddenly rise in a revolving, spiral column, rain is near.

Rainbows are unreliable, except they occur in the morning, when rain may be expected.

A dazzling metallic lustre on foliage, during a cloudless day in summer, precedes a change.

— Sun dogs and fragments of prismatic colors during the day are signs of continued unsettled weather.

No dew in the morning is mostly followed by rain, a heavy dew in the evening by a fine day.

A halo around the moon, especially if some distance from it, is a sure-indication of down-fall at hand.

If after rain drops of water still hang on the branches and twigs and to window frames the rain will return, but if they fall and the wood-work dries fine weather is at hand.

Stones turn damp before wet; at the same time it must be observed that the fact of their doing so does not invariably indicate rain, for they will do so occasionally before heat.

If the sky be a dull gray, and the sun rises clear, gradually dispersing the vapors it will be fine. If he retires behind the clouds, and there are reddish streaks about, it will rain.

Often a beautiful sunset will be followed by a bad day. After a rainy day, suddenly at sunset in the far West will appear a magnificent streak of crimson (not copper colored)—this generally foretells a fine day.

OCTOBER, 10th Month.

Weeks and Days.	Remarkable Days.	H. w. h	Moon R. & S. h m	Moons Place.	Moon south.	Miscellaneous Particulars.	SUN fast m	SUN rises h m	SUN sets h m	O. style
Saturday	1 Remigius	1	rises	29	morn.	(1.87° ris. 7 41)	10	6	11	5 49 19

40] 17th Sunday after Trinity. Luke 14. Days' length 11 hours 26 min.

Sunday	2 C. Columbus	2	6 40	13	12 30	D in apogee	11	6	12	5 48 20
Monday	3 Jairus	2	7 12	27	1 12	h rises 12 35	11	6	14	5 46 21
Tuesday	4 Franciscus	3	7 44	11	1 56	g rises 2 4	11	6	15	5 45 22
Wednesday	5 Placidus	4	8 17	26	2 40	♀ rises 4 28	12	6	16	5 44 23
Thursday	6 Fides	4	8 52	11	3 27	2 sets 6 41	12	6	17	5 43 24
Friday	7 Amelia	5	9 34	25	4 15	g in Aphelion	12	6	19	5 41 25
Saturday	8 Pelagius	6	10 22	9	5 6	Arctur. sets 8 25	12	6	20	5 40 26

41] 18th Sunday after Trinity. Matth. 22. Days' length 11 hours 18 min.

Sunday	9 Dionysius	7	11 15	23	5 58	(C) 9. Sir. ri. 12 38	f	36	21	5 39 27
Monday	10 Gereon	7	morn.	7	6 52	h rises 12 9	13	6	23	5 37 28
Tuesday	11 Burkhard	8	1 17	21	7 47	h 3 D 7° rises 7 4	13	6	24	5 36 29
Wednesday	12 Veritas	9	2 24	4	8 42	♀ stationary 3 3 D	14	6	25	5 35 30
Thursday	13 Coloman	10	3 30	18	9 37	♀ 8 4 ♀ rises 1 57	14	6	27	5 33 0.
Friday	14 Fortunata	11	4 34	1	10 32	♀ 3 D ♀ rises 3 50	14	6	28	5 32 2
Saturday	15 Hedwig	12	5 37	14	11 27	2 sets 6 13 ♀	14	6	29	5 31 3

42] 19th Sunday after Trinity. Matth. 9. Days' length 10 hours 58 min.

Sunday	16 Gallus	1	sets	27	11 59	(D) 16. D in per.	15	6	31	5 29 4
Monday	17 Florentina	1	6 45	10	1 20	Rigel ri. 10 6	15	6	32	5 28
Tuesday	18 St. Luke, ev.	2	7 28	22	2 18	24 3 D ♀ Fom. so. 9 18	15	6	33	5 27 6
Wednesday	19 Ptolomy	3	8 10	4	3 15	h rises 11 46	15	6	35	5 25 7
Thursday	20 Felicianus	4	9 2	16	4 12	♀ rises 3 30	15	6	36	5 24 8
Friday	21 Ursula	5	9 55	28	5 8	♂ rises 1 48	15	6	37	5 23 9
Saturday	22 Cordula	5	10 54	10	6 0	Reg. ri. 11 28	16	6	38	5 22 10

43] 20th Sunday after Trinity. Matth. 22. Days' length 10 hours 42 min.

Sunday	23 Severinus	6	11 51	22	6 50	(D) 23 Mar. so. 9 10	16	6	39	5 21 11
Monday	24 Salome	7	morn.	4	7 37	Aldeb. ri. 7 35	16	6	41	5 19 12
Tuesday	25 Crispin	8	12 8	16	8 22	2 sets 5 38	16	6	42	5 18 13
Wednesday	26 Amandus	9	1 10	28	9 5	♀ rises 3 14	16	6	43	5 17 14
Thursday	27 Sabina	10	2 12	11	9 48	♀ gr. di. ea. ♀ se. 5 59	16	6	44	5 16 15
Friday	28 Simon Jud.	11	3 13	24	10 29	♀ gr. Hel. lat. south	16	6	45	5 15 16
Saturday	29 Zwinglius	11	4 15	7	11 11	8 ♀ gr. brill. D apo.	16	6	46	5 14 17

44] 21st Sunday after Trinity. John 4. Day's length 10 hours 24 min.

Sunday	30 Serapion	12	5 24	21	11 54	(D) h □ ○ h ri. 11 4	16	6	48	5 12 18
Monday	31 Reformation	1	rises	6	morn.	(D) 31. ♀ rises 1 38	16	6	49	5 11 19

October has 31 Days.

MOON'S PHASES, &c.

Full moon the 1st, at 10 o'clock 47 min. in the evening; clear.

Last quarter the 9th, at 11 o'clock 57 min. in the evening; clear and frosty.

New moon the 16th, at 5 o'clock 35 min. in the evening; clear and cold.

First quarter the 23d, at 12 o'clock 45 min. in the afternoon; rain.

Full moon the 31st, at 4 o'clock 30 min. in the afternoon; clear.

Probable State of the Weather.

1st, 2d pleasant; 3d, 4th, 5th rain; 6th, 7th cloudy; 8th, 9th, 10th pleasant; 11th, 12th rain; 13th, 14th cloudy; 15th, 16th, 17th pleasant; 18th, 19th, 20th changeable; 21st, 22d, 23d, 24th rain; 25th, 26th, 27th pleasant; 28th, 29th, 30th, 31st pleasant.

SUPREME COURT—at Pittsburg

Court of Quarter Sessions and Common Pleas.

Mercer	3 Lawrence	3 Blair	10
Fulton	3 Lackawanna	3 Carbon	10
Lycoming	3 Greene	3 Perry	31
York	3 Washington	10 Chester	31
Allegheny	3 Northampton	10	

Mists at evening over low-lying ground or near a river precede fine and warm days. If a mist in the morning clears off as the sun gets higher, it will be fine, but if it settles down again after lifting a little, rain is at hand.

The man who is out at sunrise can form a pretty accurate opinion of what the day is to be. If just before sunrise the sky, especially in the West, is suffused with red rain generally follows in the course of the day. In winter, often snow.

Huge piled-up masses of white cloud in a blue sky, during winter, indicate snow or hail. If small dark clouds float below the upper ones, moving faster than these, rain will follow, as it will, if in the morning low hanging, pale brown, smoke-like clouds are floating about.

—Ten grains of iodine, dissolved in an ounce of turpentine, forms a solution eminently successful in the treatment of ringworm of the scalp, after the parts have been thoroughly washed and cleaned. It is a painless application, and may be applied to any part.



Beef the most Wholesome Meat.

Even on a limited income beef should be the principal meat, for it is the most wholesome; other kinds make an agreeable change. Use pork sparingly, though it is cheap; beef can be made equally cheap by choosing suitable pieces and cooking well. Take a thick slice of meat from the round, such as you can buy at the market for 10 cents per pound, with no bone and little fat. Get the butcher to split it almost open for you, so you have one large thin steak. No matter how tough, it will be tender as porterhouse steak when ready for the table and quite as toothsome. Lay the meat out smoothly and wipe it dry, but do not wet it. Take a coffee cup full of fine bread crumbs, a little salt and pepper, a little powdered thyme or other sweet herb, and just enough milk to moisten to a stiff dressing. Mix well and spread over the meat. Roll it up carefully and tie it up with twine, wound to secure it well, especially the ends. Now, in the bottom of your kettle fry some fat pork till crisp or brown, one quarter pound cut in thin slices (cost three cents). Into the fat that has fried out from this pork put the rolled meat, brown it on all sides, turning it till it is a rich color all over, then put in half a pint of water and sprinkle over a little salt. Keep closely covered, adding a little water if it cooks away too much. If one likes the flavor of onion add the half a small one, chopped fine. When ready to serve unwind the string carefully to preserve the shape. Lay it on a platter with the gravy poured over it. Cut the meat in slices through the roll as jelly roll is cut by the bakers. The toughest meat is made tender and nutritious cooked in this way, and is equally nice warmed over the next day. A trial will prove the correctness of this statement.

NOVEMBER, 11th Month.

Weeks and Days.	Remarkable Days.	H. w. R. h	Moon R. & S. h m	Moons Place.	Moon south.	Miscellaneous Particulars.	SUN fast m	SUN rises. h m	SUN sets. h m	O. style
Tuesday	1 All Saints	2	6 27	20	12 38	♀ rises 3 3	☽	16 6	51 5	9 20
Wednesday	2 All Souls	3	7 0	5	1 24	Orion rises 8 50	16 6	52 5	8 21	
Thursday	3 Theophilus	3	7 40	20	2 12	☽ rises 10 49	☽	16 6	53 5	7 22
Friday	4 Charlotte	4	8 25	5	3 2	Sirius rises 10 57	16 6	54 5	6 23	
Saturday	5 Malachi	5	9 24	20	3 54	♂ rises 1 30	16 6	55 5	5 24	

45] 22d Sunday after Trinity. Matth. 18. Days' length 10 hours 8 min.

Sunday	6 Leonard	6 10 17	4	4 46	♀ sta. Arctur. se. 6 36	16 6	56 5	4 25
Monday	7 Engelbert	6 11 15	17	5 39	☽ Rigel ri. 8 47	16 6	57 5	3 26
Tuesday	8 Cecilia	7 morn.	1	6 32	☽ 8. ♀ in ♈ 4 53	16 6	58 5	2 27
Wednesday	9 Theodore	8 12 21	14	7 25	☽ ♀ rises 2 53	16 6	59 5	1 28
Thursday	10 Mart. Luther	9 1 23	28	8 18	♂ rises 1 27	16 7	14 59	29
Friday	11 Melanchton	10 2 29	11	9 11	♀ Regul. ri. 12 10	16 7	24 58	30
Saturday	12 Jonas	10 3 38	24	9 57	♂ Regul. ri. 10 17	16 7	34 57	31

46] 23d Sunday after Trinity. Matth. 22. Days' length 9 hours 52 min.

Sunday	13 Winebert	11 4 36	6	10 55	Androme. so. 8 43	16 7	4 45	56 N.
Monday	14 Levin	12 5 34	18	11 12	♂ Per. Alt. se. 10 50	15 7	5 45	55 2
Tuesday	15 Leopold	1 sets	0	11 47	☽ 15. ♀	15 7	6 45	54 3
Wednesday	16 Ottomar	2 6 14	12	12 45	☽ sin ♈ ♀ ris. 2 53	15 7	7 45	53 4
Thursday	17 Alpheus	2 6 52	25	1 55	☽ ○ Infer. h statio.	15 7	8 45	52 5
Friday	18 Gelasius	3 7 47	7	2 54	♂ rises 1 19	☽	15 7	9 45
Saturday	19 Elizabeth	4 8 41	18	3 50	Fomal south 7 9	14 7	10 45	50 7

47] 24th Sunday after Trinity. Matth. 9. Days' length 9 hours 38 min.

Sunday	20 Amos	5 9 40	0	4 43	♀ Peri. ♂ gr. He. la. n.	14 7	11 4	49 8
Monday	21 Off. V. Mary	6 10 36	12	5 33	☽ h rises 9 45	14 7	11 4	49 9
Tuesday	22 Alphonsus	6 11 35	24	6 19	☽ 22. ♀ 4 ○ e. ♀	14 7	12 4	48 10
Wednesday	23 Clement	7 morn.	6	7 18	♂ Orion rises 7 28	13 7	13 4	47 11
Thursday	24 Chrisogenes	8 12 48	19	8 27	♀ rises 2 52	13 7	14 4	46 12
Friday	25 Catharine	9 1 32	2	9 9	♂ 7* south 11 35	13 7	15 4	45 13
Saturday	26 Conrad	10 2 30	15	9 51	☽ in apo. ♀ station.	12 7	16 4	44 14

48] 1st Sunday in Advent. Matth. 21. Days' length 9 hours 28 min.

Sunday	27 Josaphat	11 3 46	29	10 35	Rigel rises 6 23	12 7	16 4	44 15
Monday	28 Guntherus	12 4 45	14	11 9	♂ rises 1 7	12 7	17 4	43 16
Tuesday	29 Saturn	12 5 40	29	11 59	☽ h rises 9 12	11 7	18 4	42 17
Wednesday	30 St. Andrew	1 1	rises	14 morn.	☽ 30. ♀ gr. he. l. n.	11 7	18 4	42 18

JUPITER is on the 8th in Conjunction with the Sun and cannot be seen.

November has 30 Days.

MOON'S PHASES, &c.

Last quarter the 8th, at 12 o'clock 1 min. in the afternoon; rain or snow.

New moon the 15th, at 3 o'clock 8 min. in the morning; cold rain and stormy.

First quarter the 22d, at 5 o'clock 43 min. in the morning; brings rain.

Full moon the 30th, at 10 o'clock 20 min. in the forenoon; cold and stormy.

Probable State of the Weather.

1st changeable; 2d, 3d rain; 4th, 5th pleasant; 6th, 7th pleasant; 8th, 9th, 10th, 11th cold; 12th, 13th, 14th, 15th rain or snow; 16th, 17th, 18th pleasant; 19th, 20th cloudy; 21st, 22d, 23d rain; 24th, 25th, 26th pleasant; 27th, 28th changeable with snow; 29th, 30th cold wind.

GENERAL ELECTION

8

SUPREME COURT—at Philadelphia

21

Court of Quarter Sessions and Common Pleas.

Schuylkill	7	Westmoreland	14	Lancaster	21
Lebanon	14	Mifflin	14	Luzerne	21
Crawford	14	Wyoming	14	Dauphin	21
Berks	14	Lehigh	14	Clarion	28
Huntingdon	14	Clearfield	14	Centre	28
Susquehanna	14	Cameron	14	Venango	28
Cumberland	14	Erie	14	Tioga	28
Adams	14	Somerset	14		

Value of Oysters.

A very high medical authority says: Oysters are not only nutritious but wholesome, especially in cases of indigestion. It is said "there is no elementary substance, not even excepting bread, that does not produce indigestion under certain circumstances, but oysters never do." Oyster juice promotes digestion. By taking oysters daily indigestion supposed to be almost incurable, has been cured; in fact, they are to be regarded as one of the most healthful articles of food known to man. Invalids who have found all other kinds of food disagree with them frequently discover in the oyster the required aliment. Raw oysters are highly recommended for hoarseness. Many of the vocalists use them regularly before concerts and operas; but their strongest recommendation is the remarkable wholesome influence exerted upon the digestive organs.

—Powdered rice, sprinkled upon lint and applied to fresh wounds will stop bleeding.



Thanksgiving.

The grain is garnered in,
The apples ripe are stored,
The yellow pumpkins gleam among
The farmers treasured hoard.

The earth is brown and bare,
That once was green and gay;
Where regal Autumn charmed the eye,
Dead leaves bestrew the way.

Though clouds be dark o'erhead,
With wind and unshed rain,
The good which once has crowned the earth
Will make it bloom again.

Then let us thank our God
For spring-time soft and fair,—
For April rain and May-day sun—
And June's delicious air.

For July showers and heat,
For dreamy August haze,
For cool September's purple fields,
For glad October days,

For dull November skies,
And barns with harvest filled,
We thank Thee, Lord, who richly blessed
The land Thy servants tilled.

The year to come is Thine
Thou knowest what will be;
Send rain and dew, and wind and sun
As seemeth best to Thee.

—The golden number is so called because it was formerly written on the calendar in letters of gold. It is the number reckoned from one to nineteen, showing what year in the lunar or metonic cycle any given year is. The epact is the excess of the solar above the lunar year, the former consisting of 365 days and the latter 354. The epact of any year is the number of days from the last new moon of the old year to the first day of the following January.

DECEMBER, 12th Month.

Weeks and Days.	Remarkable Days.	H. w. h	Moon R. & S. h m	Moons Place.	Moon south.	Miscellaneous Particulars.	SUN fast m	SUN rises h m	SUN sets. h m	O. stg
Thursday	1 Longinus	1	6 16	29	12 59	♀ rises 3 08	11	7 19	4 41	19
Friday	2 Candidus	2	7 23	16	1 50	♀ gr. dist. west	10	7 19	4 41	20
Saturday	3 Fr. Xavier	3	8 37	29	2 43	♂ 4	10	7 20	4 40	21

49] 2d Sunday in Advent. Luke 21. Days' length 9 hours 20 min.

Sunday	4 Barbara	4	9 45	14	3 36	☽ Sirius ri. 8 54	97	20	4 40	22
Monday	5 Abigail	5	10 47	28	4 29	♀ rises 3 22	97	21	4 39	23
Tuesday	6 St. Nicholas	5	11 52	12	5 20	☽ gr. di. we. ♀ ri. 6 36	97	21	4 39	24
Wednesday	7 Agathon	6	morn. 25	6 12	7	☽ h rises 8 32	87	22	4 38	25
Thursday	8 Conc. V. M.	7	12 57	8	7 3	☽ ♂ ri. 12 56	87	22	4 38	26
Friday	9 Joachim	8	2 5	20	7 54	☽ Rig. ri. 10 10	77	23	4 37	27
Saturday	10 Judith	9	3 13	3	8 47	☽ Orion rises 6 9	77	23	4 37	28

50] 3d Sunday in Advent. Matth. 11. Days' length 9 hours 14 min.

Sunday	11 Barsabas	10	4 18	15	9 42	Fomal sets 9 45	67	23	4 37	29
Monday	12 Otilia	11	5 19	27	10 39	☽ per. ♀ Perih. ♀ ☽ ♀	67	24	4 36	30
Tuesday	13 Lucy	12	6 23	9	11 17	☽ ♀ rises 3 19	57	24	4 36	D.
Wednesday	14 Emberday	1	sets 21	11 59	14	Spi. ri. 2 26	57	24	4 36	2
Thursday	15 Ignatius	2	6 12	3 12	49	♀ rises 2 25	47	25	4 35	3
Friday	16 Ananias	2	7 0	15	1 30	☽ rises 12 43	47	25	4 35	4
Saturday	17 Lazarus	3	7 59	27	2 29	Arietis south 8 20	37	25	4 35	5

51] 4th Sunday in Advent. John 1. Days' length 9 hours 10 min.

Sunday	18 Arnold	4	8 57	9	3 23	☽ rises 7 42	37	25	4 35	6
Monday	19 Abraham	4	9 59	21	4 42	♀ rises 3 25	27	25	4 35	7
Tuesday	20 Ammon	5	10 58	3	5 41	♀ rises 2 34	27	25	4 35	8
Wednesday	21 St. Thomas	6	11 56	15	6 24	☽ ent. ☽ Short. day	17	26	4 34	9
Thursday	22 Beata	7	morn. 28	7 5	7 22	Win. com.	17	25	4 35	10
Friday	23 Dagobert	8	12 40	10	7 47	☽ Dapo. ♀ ri. 12 30	7	25	4 35	11
Saturday	24 Adam, Eve	9	1 14	12	8 30	☽ in Alde. so. 10 13	7	25	4 35	12

52] Christmas. Luke 2. Days' length 9 hours 10 min.

Sunday	25 Christmas	9	2 6	7	9 15	♂ in Aphelion	87	25	4 35	13
Monday	26 Stephen	10	3 4	22	10 2	♀ rises 3 41	07	25	4 35	14
Tuesday	27 John, Evan.	11	4 12	7	10 51	☽ rises 7 00	17	25	4 35	15
Wednesday	28 H. Innocents	12	5 24	22	11 5	♂ rises 12 18	27	25	4 35	16
Thursday	29 Noah	12	6 20	7 11	57	Altair sets 7 35	27	24	4 36	17
Friday	30 David	1	rises	22	morn. 30	♀ ris. 1 59	37	24	4 36	18
Saturday	31 Sylvester	2	6 14	7 12	39	☽ in per. ☽	37	24	4 36	19

December has 31 Days.

MOON'S PHASES, &c.

Last quarter the 7th, at 10 o'clock 10 min. in the evening; clear and frosty.

New moon the 14th, at 2 o'clock 21 min. in the afternoon; clear and mild.

First quarter the 22d, at 2 o'clock 1 min. in the morning; snow and stormy.

Full moon the 30th, at 3 o'clock 14 min. in the morning; snowy and stormy.

Probable State of the Weather.

1st, 2d, 3d, 4th, 5th pleasant; 6th, 7th, 8th clear and cold; 9th, 10th 11th rain or snow; 12th, 13th pleasant; 14th, 15th, 16th, 17th cloudy; 18th, 19th, 20th clear; 21st, 22d frosty; 23d, 24th, 25th, 26th pleasant; 27th, 28th snow; 29th pleasant; 30th, 31st snow.

Court of Quarter Sessions and Common Pleas.

Philadelphia	5 Northumberland	5 Northampton	12
Bucks	5 Butler	5 Jefferson	12
Armstrong	5 Beaver	5 Potter	12
Indiana	5 Bedford	5 Elk	19
Bradford	5 Cambria	5 Sullivan	19
Allegheny	5 Warren	5 Montour	19
Fayette	5 Wayne	5 M'Kean	19
Franklin	5 Montgomery	5 Pike	19
Delaware	5 Lycoming	5 Union	19
Columbia	5 Clinton	12 Monroe	26
Juniata	5 Snyder	12 Forest	26

Christmas Bells.

I heard the bells on Christmas day
Their old familiar carols play,
And wild and sweet
The words repeat
Of peace on earth, good will to men!

And thought how, as the day had come,
The belfries of all Christendom
Had rolled along
The unbroken song
Of peace on earth, good will to men.

Till ringing, singing, on its way,
The world revolved from night to-day,
A voice, a chime,
A chant sublime,
Of peace on earth, good will to men!

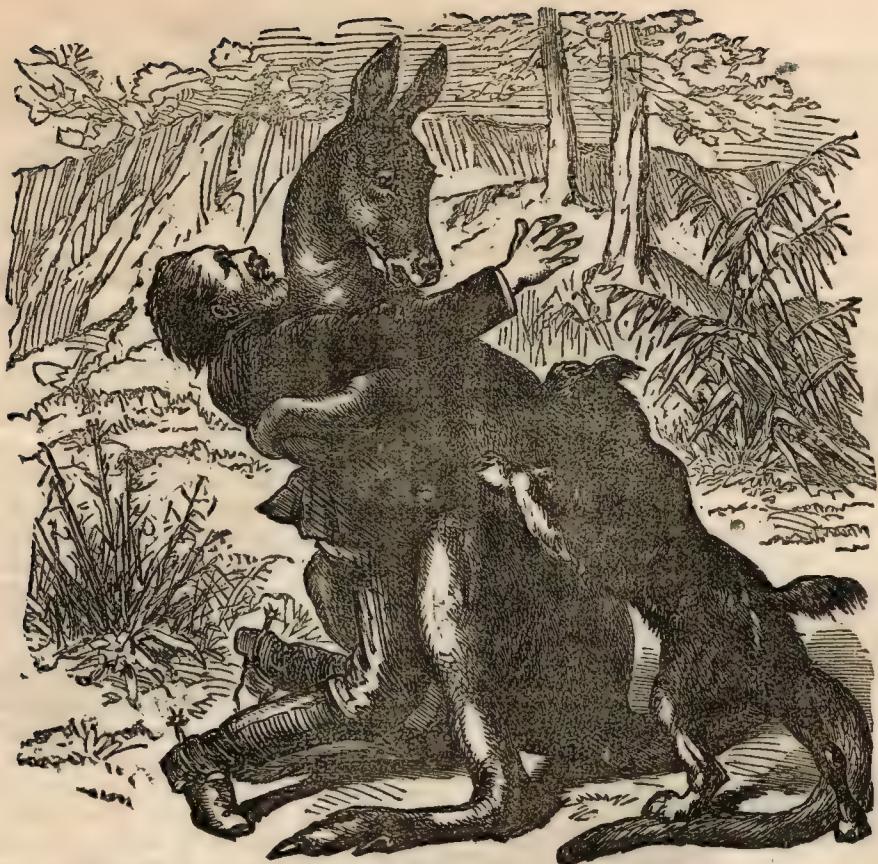
But in despair I bowed my head—
"There is no peace on earth," I said;
"For hate is strong,
And mocks the song
Of peace on earth, good will to men!"

Then pealed the bells more loud and deep,
"God is not dead, nor doth he sleep!
The wrong shall fail,
The right prevail,
With peace on earth, good will to men!"



Care of Cellars.

A great mistake is sometimes made in ventilating cellars and milk-houses. The object of ventilation is to keep the cellar cool and dry, but this object often fails of being accomplished by a common mistake, and instead, the cellar is made both warm and damp. A cool place should never be ventilated, unless the air admitted is cooler than the air within, or is at least as cool as that, or a very little warmer. The warmer the air, the more moisture it holds in suspension. Necessarily, the cooler the air, the more this moisture is condensed and precipitated. When a cool cellar is aired on a warm day, the entering air being in motion appears cool; but as it fills the cellar, the cooler air with which it becomes mixed chills it, the moisture is condensed, the dew is deposited on the cold walls, and may often be seen running down them in streams. Then the cellar is damp, and soon becomes mouldy. To avoid this, the windows should only be opened at night, and late—the last thing before retiring. There is no need to fear that the night air is unhealthful—it is as pure as the air of midday, and is really drier. The cool air enters the apartment during the night, and circulates through it. The windows should be closed before sunrise in the morning, and kept closed and shaded through the day. If the air of a cellar is damp, it may be thoroughly dried by placing in it a peck of fresh lime in an open box. A peck of lime will absorb about seven pounds, or more than three quarts of water, and in this way a cellar or milk-room may soon be dried. A bushel of lime absorbs twenty-seven pounds of water, and still appears as a dry powder. In this condition it will be very useful to spread over the garden or lawn, or around fruit trees.



A Desperate Encounter with a Kangaroo.

The great Kangaroo inhabits Australia and Van Diemen's Land. The total length of the animal is about 7 feet 6 inches, counting from the nose to the tip of the tail. The weight of a full grown male, or "Boomer" as it is more familiarly called, is very considerable, 160 pounds having often been attained. The color of the animal is brown, mingled with gray. Its singular formation, peculiarly adapted to the country, calls forth a corresponding degree of ingenuity on the part of the natives who live much on its flesh, in hunting it. Its method of progression is by leaps from its long hind-legs. The natural walking position of this animal is on all four legs, although it constantly sits up on the hinder legs, or even stands on a tripod composed of its hind feet and tail, in order to

look out over the tops of the luxuriant grass among which it lives. The leaping movements are required for haste or escape, the length of each leap being about 15 feet.

Hunting the animal is a very favorite sport with both colonists and natives. The natives either knock it down with a boomerang, spear it from behind a bush, or unite together and hem in a herd, which soon fall victims to the volleys of clubs, spears and boomerangs, which pour in on all sides. The colonists either shoot it or hunt it with dogs, a pack of which is trained for that purpose, just as we train fox-hounds. The "old man" or "boomer," as the colonists call the great Kangaroo, invariably leads the dogs a severe chase, always attempting to reach water and escape by swimming.

Agricultural Almanac.

It is a formidable foe to the dogs when it stands at bay, as it seizes the dog with its fore-legs, and either holds him under water until he is drowned, or tears him open with a well-directed kick of its powerful hind-feet, which are armed with a very sharp claw. The female Kangaroo carries its young about in a kind of pouch, from which they emerge when they wish for a little exercise, and leap back again on the slightest alarm. All the Kangaroos and the Opossums have this pouch.

The male Kangaroo, or "Boomer" is a dangerous antagonist to man and dog, and unless destroyed by missile-weapons, will often prove more than a match for the combined efforts of man and beast.

Such a desperate encounter with a male Kangaroo had a Mr. Bourke recently in Australia. He was riding along the road when he started three Kangaroos, and immediately gave chase, and for some miles the pace was very hot. Brush-fences and fallen timber were, of course, no serious obstacles to the long-tails; and, well mounted on a wiry old stock-horse, Bourke found little difficulty in maintaining a respectable position in the hunt.

After a smart spin, in the course of which the hunter, if he held his ground, had yet failed to gain an inch upon the Kangaroos, the horse began to show signs of caving in, and it seemed probable that the denizens of the forest would have the best of it.

At this juncture, however, the Kangaroos separated, two continuing on the same direction as that which they had been going previously, and the third—a tremendous "old man," about seven feet high—making a sharp turn to the right. For a second or two Bourke was undecided as to which he should follow, but the dog soon settled the matter by making after the Kangaroo.

That this course was the wisest soon became apparent, as before another half mile of ground was covered the boomer displayed unmistakable symptoms of distress, and in five minutes the old man was brought to bay in a water-hole. Here, however, the Kangaroo was still to a

certain extent master of the situation, as from his insular position it was no easy matter either for man or dog to give the finishing stroke.

Bourke determined to push matters to a conclusion, and jumped off his horse in order to seize a sapling which lay conveniently at hand. In doing this he had calculated too much on the quiescence of the Kangaroo. While Bourke was in the act of stooping to pick up the sapling, the Kangaroo, with one bound, was upon him, and in another minute had regained his position in the centre of the water-hole, with the unfortunate Bourke in his arms.

Here, had it not been for the help of the faithful dog, our story would have been of a more melancholy termination. Even as it was, poor Bourke got a bad mauling, and he vehemently asserts that the grip of the boomer could only be compared to that of a grizzly bear. Whether he would ever have got clear from the grip of the Kangaroo, if he had been without his dog, is highly problematical, but as it turned out, the four-footed companion proved a most useful ally, and turned the scale of victory.

—Always make a memorandum in your little book of any contract you undertake for money or any agreement to work. It saves much trouble to keep a memorandum-book and put down the dates when you either pay or receive money. Whenever money passes on account, set it down. If any money or thing of value goes through your hands, give a receipt for it and make a memorandum. Your receipt settles the amount that passes, and that cannot be disputed. When you pass it to a third party, get a receipt and keep it. This form is as important in the transfer of income, trust-money or valuables among your own family as with other persons.—Never sign a paper without reading it: and if, after reading, you do not understand it, have it thoroughly explained before you put a signature to it. It is best to get some third person, who is not interested in the matter in any way, to explain the meaning of what is not clear or to point out words that may have two meanings in the document.

Agricultural Almanac.

Daniel Webster's Plough.

On one occasion some Boston friend sent Webster as a present an enormous-sized plough to use on his place. Webster gave out word that on a certain day it would be christened. The day arrived, and the surrounding farmers for miles came in to witness the event. A dozen teams with aristocratic occupants came from Boston. It was expected by every one that Webster would make a great speech on the occasion, reviewing the history of farming back to the time when Cincinnatus abdicated the most mighty throne in the world to cultivate turnips and cabbages in his Roman garden. The plough was brought out and ten yokes of splendid oxen hitched in front. More than 200 people stood around on the tiptoe of expectation. Soon Webster made his appearance. He had been calling spirits from the vasty deep, and his gait was somewhat uncertain. Seizing the plough handles and spreading his feet he yelled out to the driver in his deep bass voice:

"Are you all ready, Mr. Wright?"

"All ready, Mr. Webster," was the reply, meaning of course for his speech.

Webster straightened himself up by a mighty effort, and shouted:

"Then let her rip!"

The whole crowd roared with laughter, while Webster with his big plough proceeded to rip up the soil.

"*Don't you want to go to the better world, Tommy?*" asked a Sunday School teacher of her new scholar.

"No, mum," promptly replied the frank little fellow.

"And why not, Tommy?"

"O, when I die I want to go where a feller can rest."

"Well, my boy, you can rest there."

"Well, in that song we sung it said we'll shine there."

"Certainly; don't you want to shine there?"

"No, mum; I don't want to shine there. I get enough of that here. I'm a bootblack!"

Wit Saved Him.

A brigade was encamped near Charleston, Va., and a guard had been detailed to protect the property of the citizens in the neighborhood and strict orders given against foraging or taking anything without paying for it. The colonel of one of the regiments was out one day with his staff and all of a sudden he came upon a private of his regiment with a sheep on his back, evidently just killed. He rode up to the soldier and asked him: "Where did you get that sheep?"

He answered: "Up here in the field."

"Did you buy him?"

"No, sir; I just killed him, so."

"Why, don't you know that strict orders have been issued against doing anything like that?"

"Yes, sir, I know it, and will tell you how it was. I was going along the road whistling the 'Star Spangled Banner,' and this sheep held up his head and looked straight at me, and said, 'ba-a, ba-a,' and, sir, I up and killed him, as I won't allow anything to say 'ba-a' at me when I'm singing or whistling the 'Star Spangled Banner.'"

It is needless to say the colonel told him to go ahead. The fellow's wit saved him that time.

"*We are going to have pie for dinner,*" said Bobby to the minister.

"Indeed!" laughed the dominie, amused at the little boy's artlessness, "and what kind of pie, Bobby?"

"It's a new kind. Ma was talkin' this morning about pa bringin' you to dinner so often, and pa said he didn't care what she thought, and ma said she'd make him eat humble pie before the day was over, an' I s'pose we're goin' to have it for dinner."

"*Did you attend Church, my daughter?*" "Yes, papa." "How did you like the sermon?" "Well, the minister stuck to his text, and I must say, delivered a very cheerful and seasonable discourse." "What was the text?" "Many are cold, but few are frozen."

Agricultural Almanac.

Receipts.

—Cure and Preventative of Hydrophobia. To one and a half ounces of good Elecampane Root, bruised in a mortar, add one pint of new milk, boil to half pint, strain off, and when cold take it at one dose, in the morning fasting. No food should be taken for from three to five hours afterwards. Repeat the dose on the third morning, allowing one morning to intervene, and again on the fifth morning. The above quantity is for an adult; for children, given in proportionate doses, say to one of twelve years half the quantity. Same for animals, cattle, horses, etc., when bitten by a rabid animal, to be drenched with a strong decoction of Elecampane Root, as above, soon as it can be prepared after the bite. This remedy is known to be infallible when prepared and used as above.

—To cure Felons, mix one ounce of Venice turpentine with one ounce of water; stir with a rough stick until thick; then wrap a good coating of it around the finger with a cloth. Another method is to wrap the part affected with a linen cloth dipped in a tincture of lobelia. Another remedy is to take a juicy lemon, in one end cut a hole large enough to admit of the insertion of the diseased finger; then, place the finger in the lemon, bind it up and let stay until the pain has ceased, which will usually be about twenty-four hours. This is said to be an infallible cure.

—Peppernuts. $\frac{1}{2}$ pound granulated sugar and 3 eggs, well beaten together for $\frac{1}{2}$ an hour; cut 2 ounces blanched almonds into small pieces, also 1 ounce of citron and the rind of $\frac{1}{2}$ a lemon, $\frac{1}{2}$ ounce ground cinnamon and a little less grated nutmeg, $\frac{1}{2}$ pound flour; add all this to the sugar and eggs and mix well; sprinkle flour over the bakingpans; with a teaspoon drop little heaps, about the size of a large walnut, of the dough on the pans and bake yellow.

—Brown Betty. Cut into thin slices several large apples; have ready a buttered pudding dish, put into this a layer of grated bread crumbs, then a layer of sliced apples; over these sprinkle sugar, and so on alternately bread, apples, sugar, until pudding dish is full, letting the top layer be of bread crumbs, on this place three large lumps of butter, put in oven, and bake brown. Serve hot, with butter and sugar sauce.

—Ginger Pound-Cake. Six cupfuls of flour, two cupfuls each of butter, brown sugar and molasses, eight eggs, a tablespoonful each of cinnamon, ginger and soda and two nutmegs. Dissolve the soda in a cupful of sour milk. In baking take particular pains not to let the cake scorch, for gingerbread is of all cakes the easiest to burn. Line the pans with greased paper, and put a brown paper over the top to prevent the crust forming too quickly.

—As a Remedy for Rheumatism take one or two teaspoonsful of Rochelle Salts in a half a glass of cold water; follow this immediately with a glass of lemonade, which contains all the juice of a large lemon and the requisite quantity of sugar to render it pleasant to drink. Take once or twice a day according to the severity of the rheumatism. It will cure in 8 or 10 days any rheumatism of miasmatic character.

—Sponge Pudding. Take three eggs, their weight in the shell in flour, butter and sugar, grated rind of one lemon; beat the butter to a cream, and the eggs, yolks and whites separately and then together; add the butter and keep on beating; then mix in the sugar, and lastly the flour; then beat the whole till quite light; put into a mould and boil for one hour and a half.

—Potato Biscuit. Pint of mashed potatoes; two eggs; cup of shortening—lard and butter mixed; three-fourth cup yeast; pinch of salt; tablespoon of sugar. Put the shortening in the potatoes while warm. Beat the eggs light and stir them in the potatoes and shortening. Knead into a loaf and set it aside to rise; flour enough to make a soft dough; roll out lightly, cut with a cutter and bake.

—For Cancer take red clover blossoms, make a tea of them and drink four or five times a day for several weeks. If there is any cancerous humor in the blood, it will kill it. If the cancer has broken out, boil the clover down very strong, and put a bunch of the boiled clover blossoms wet on the cancer. It has been known to cure after the cancer has broken out.

—For a Gargle for Sore Throat take very strong sage tea, one-half pint; strained honey, common salt, and strong vinegar, of each two tablespoons; cayenne, the pulverized, one rounding teaspoon; steeping the cayenne with the sage, strain, mix, and bottle for use, gargling from four to a dozen times daily according to the severity of the case. This is one of the very best gargles in use.

—Grandmother's Sponge Cake. Two even cups of sugar, two rounded cups of flour, five eggs. Beat the yolks of the eggs with the sugar for 15 minutes. Beat the whites of the eggs to a stiff froth, add to the yolks, and then stir the whites in slowly. The sugar and flour should be sifted and free from lumps. Best sponge cake made.

—To cure Sweating Feet bathe the feet in tar water a half hour morning and evening for three days. At the end of the third day omit the bath and paint the soles of the feet once a day with per-chloride of iron. After four days more the epidermis or the soles will be found to be dry and hard.

—A cheap paint for a floor can be made with five pounds of French ochre and a quarter of a pound of glue dissolved in two quarts of boiling hot water; then apply enough boiled linseed oil to make paint flow easily from the brush. Any man can paint a kitchen floor and save the women work by so doing.

—Corn Cakes that are Corn Cakes. One pint butter-milk; one egg; butter the size of a hulled walnut; one-half teaspoon soda; pinch of salt; cornmeal enough to make a soft batter; bake on a griddle which you have greased well with lard. This can be baked in one pan and makes a very nice pone.

—Variety Jelly Cake. Four cups flour; three cups sugar; one cup clabber; one cup butter; five eggs; one teaspoon soda. Divide the butter in two parts; in one half put a teaspoonful of cloves and a teaspoonful of ginger. Bake in jelly cake pans. This will make two dark cakes and two light ones.

—To replace a lost key when it is not convenient to remove the lock, it will be sufficient generally to smoke a key black over a candle, insert it in the key-hole and press firmly against the wards of the lock. The indentations will show where to file.

—Soft Gingerbread. 2 cups butter, 2 cups sugar, beaten together, 2 cups molasses, $5\frac{1}{2}$ cups flour, 6 eggs well beaten, $\frac{1}{2}$ teaspoonful soda, dissolved in a little milk; ginger may be added, if you like, also 1 grated nutmeg. Bake in small tin moulds.

—Clean cane chairs by saturating the cane well with a sponge and hot water, using soap if necessary; then put it in the open air or in a good current of air, and as it dries it will tighten and become as firm as when new.

—Mortar and paint may be removed from window glass with hot, sharp vinegar.

Agricultural Almanac.

—Raisin-Wine. 1 pound of white sugar; 2 pounds of raisins, seeded and chopped; all the juice and half the grated peel of one lemon; two gallons of boiling water. Put all into a stone jar and stir every day for a week; then strain and bottle. It will be fit for use in ten days for flavoring.

—Sailor Cake. 6 ounces light brown sugar, 6 ounces butter, 1 pint molasses, 1 ounce baking soda, 4 eggs, 1½ pound flour, 2 tablespoons cinnamon, ½ pint thick milk. Warm the butter with the molasses. Drop the dough on tins and bake in a quick oven.

—An Anti-Dyspeptic Pudding. Take four large crackers and roll them with the rolling-pin. Put this in one quart of milk and beat into it one egg. Bake till it just comes to a boil. It is best sweetened after baking.

—Saffron Tea for Baby is the very best in fever, bowel trouble or scarlet fever that there can be. It was the dear old grandma's cure, and we think they had better success than most of us nowadays.

—To remove the Tapeworm, boil two quarts of pumpkin seeds in water down to one-half, fast one day, eat frequently of the boiled pumpkin-seeds and take a small dose of castor-oil and ether.

—Cocoanut Drop Cake. ½ pound grated cocoanut, ½ pound white sugar, the white of 3 eggs beaten, stir all together and drop on buttered paper; lay the paper on tins and bake in a moderate oven.

—A Sure Cure for Piles is a large handful of green plantain leaves and the same of live-for-ever, put them with one pound of mutton tallow in a dish, let them stew for about an hour, strain and anoint night and morning.

—Sour Pickles, eaten in moderation a little before and during a voyage, is said by one who has tried it, are a preventative for sea-sickness.

—No better Liniment for bruises, on man or beast, was ever used, than equal parts of laudanum, alcohol and oil of wormwood. It reduces swelling, keeps out inflammation and removes soreness. The sooner applied the better.

—Sweet Cider will do more toward curing gout and rheumatism than all the mineral waters of America, France or Germany, so says an American physician who cured himself of the gout by the cider-cure.

—Straw matting should be washed with warm salt and water; wring out a soft cloth in it and apply quickly; not wetting the matting much, only enough to take out the dust and stains.

—The best way to brighten a carpet is to put a half tumbler of spirits of turpentine in a basin of water and dip your broom in it and sweep over the carpet once or twice.

—Grandfather's Sponge Cake. 6 eggs, ½ pound granulated sugar, ½ pound flour. Beat the eggs and sugar to froth, mix quickly with the flour, flavor with lemon extract and bake 25 minutes.

—Sand Tarts. 1 pound butter, 1 pound sugar, 6 eggs well beaten, 1½ pounds flour, roll thin and sprinkle the tarts with sugar and cinnamon.

—A pint of mustard seed put in a barrel of cider will keep it sweet for several months and make it more wholesome.

—If the sauce pan in which milk is to be boiled be first moistened with water, it will prevent the milk from burning.

—Hellebore sprinkled on the floor at night destroys cockroaches. They eat it and are poisoned. It should be swept up each morning.

—Remove flower pot stains from window sills by rubbing with fine wood ashes and rinse with clean water.

ANATOMY OF MAN'S BODY,

AS SAID TO BE GOVERNED BY THE TWELVE CONSTELLATIONS.

—

The Head and Face — ARIES.

Arms,

 GEMINI.

Heart,

 LEO.

Reins,

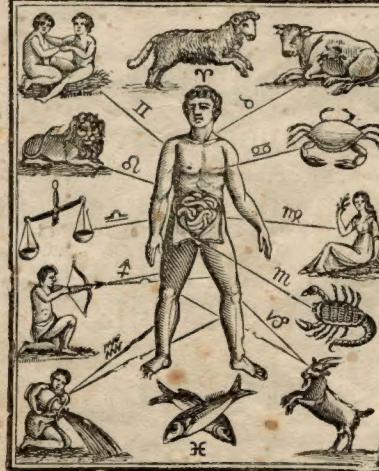
 LIBRA.

Thighs,

 SAGITTARIUS.

Legs,

 AQUARIUS.



The Feet — PISCES.

Neck,

 TAURUS.

Breast,

 CANCER.

Bowels,

 VIRGO.

Secrets,

 SCORPIO.

Knees.

 CAPRICORN.

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Being the third after Leap Year, and the 111th of American Independence.

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